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ABSTRACT

The directory lists and describes commercially produced software/courseware useful for special education. Companies are listed in alphabetical order and each entry includes basic directory information (company name, address, telephone number, and contact person); company information (type, hardware, level, handicapping condition for which the software is appropriate, approach, curriculum, and distribution policy); and product information (individual software titles, curriculum area, level, audience, approach, format, hardware, and a brief description). Products are identified as designed specifically for special education, suitable for special education, and applicable to special education with modifications. Materials are indexed according to six classifications: handicap/special audience, hardware, educational level, professional level, instructional approach, curriculum, and product titles. (CL)

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The SpecialWare Directory

ED235646

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A Guide to Software Sources for Special Education

1983

LINC Associates, Inc.
1875 Morse Road, Suite 215
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EC160803

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PREFACE

There are many software/courseware directories for regular education. The **SpecialWare Directory** is the single, comprehensive resource that lists and describes commercially produced software/courseware that is useful for special education. It contains the most thorough indexing of software/courseware available.

The **Directory** has been compiled from an independent survey conducted by LINC to fill the information gap. LINC's unique role as the liaison between educators and the commercial publishing industry--arranging for the commercial publication of materials and products developed by teaching professionals, school districts, universities and agencies of the federal government--lends an added value to the **Directory** because it provides easy access to some of the more than 1,000 publishers in LINC's files.

The **Directory** assigns software/courseware into three categories. Each category is identified by the following codes:

1. **(two asterisks) indicate that the software/courseware is **designed specifically for** special education;

2. *(one asterisk) indicates that the software/courseware is **suitable for** special education use; and

3. the absence of an asterisk indicates that the software/courseware **may be** applicable for special education use through modification or adaptation, even though designed for regular education.

All three categories are described to provide the broadest access to software/-courseware available for special education.

The purpose of **SpecialWare** is to assist readers in locating potential sources of software/courseware for special education. Information for all company entries was supplied to LINC by publishers, producers, and distributors, either through completion of survey forms provided by LINC or through telephone interviews, promotional brochures, and catalog copy describing individual products. Readers should consult colleagues or professional review sources to obtain evaluative information about products.

This is the first edition of the **SpecialWare Directory.** To ensure the comprehensiveness and relevance of future issues of **SpecialWare,** we want your suggestions for improving the **Directory.** Please complete the response form in the **Directory** so that we can make the **SpecialWare Directory** an even better resource for educators and those who want the best and most useful special education software/-courseware for their schools and classrooms.

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HOW TO USE THE SPECIALWARE DIRECTORY

DIRECTORY LISTINGS

Companies are listed in alphabetical order. Each company entry is divided into three sections: (1) basic directory information, (2) company information, and (3) product information.

Basic Directory Information

Includes company name, address, telephone number, and contact person.

Company Information

Provides an overview of the company and its software product line, organized into seven categories:

Type: publisher, producer, or distributor of software

Hardware: microcomputer makes and models that are compatible with the software supplied

Level: student grade levels and/or professional level applications for which the software is intended (see Key to Abbreviations)

Handicap (optional): specific handicapping conditions for which the software is appropriate (See Key to Abbreviations)

Approach: specific instructional design features of the software--i.e., computer-managed instruction, drill and practice, games, simulation, tutorial (See Key to Abbreviations)

Curriculum: both general and specific content areas of the school curriculum are indicated

Distribution Policy: describes how the company's software is made available, including direct mail, sales representatives, retail stores; preview policies, guarantees and warranties are noted

Product Information

Individual software titles for special education are listed in alphabetical order under the heading **PRODUCT(S).** This section appears after the **COMPANY INFORMATION** section only if the company has stated that one or more products are targeted specifically for special education. The following information is provided for each product:

Title: name of the product, followed by either one or two asterisks

Note: (**) Two asterisks indicate that the product is designed specifically for special education.

Note: (*) One asterisk indicates that the product is marketed or judged useful in special education settings.

Note: The absence of an asterisk indicates that the software/courseware may be used for special education through modification or adaptation, even though designed for regular education.

Curriculum: specific curriculum or content areas are stated

Level: grade levels are indicated

Audience: professionals for whom the product is intended are included when appropriate

Approach: instructional design features of the software are noted

Format: cassette or diskettes, manuals, or supplementary materials are noted

Hardware: specific microcomputers, operating systems, and peripheral devices required to use the software are identified

Description: annotation or abstract that describes the product

Index

The index refers the user to the specific companies that are described in the text. To help the user pinpoint needed information quickly, the index is divided into six sections:

Handicap/Special Audience
Hardware
Educational Level
Professional Level
Instructional Approach
Curriculum
Product Titles

When using the index, note that some company names have either one or two asterisks appended. The asterisks alert the user to the fact that these companies market a special education product relevant to that specific index term. As noted above, (**)two asterisks indicate that the company referenced under the index term has at least one product designed specifically for special education, and (*) one asterisk denotes that the company has at least one product that is marketed or judged useful for or suitable with special education.

KEY TO ABBREVIATIONS

Level: (Student-use)	EC	=	Early Childhood
	Elem	=	Elementary
	Sec	=	Secondary
	Post	=	Postsecondary
Level: (Professional-use)	Admin	=	Administrative Support
	Author	=	Authoring Systems, Lesson Writing Programs
	Guidance	=	Guidance Counselors
	IEP	=	Individualized Education Program Management
	Lib	=	Library Applications
	Teach	=	Teacher Support/Training
Approach:	CMI	=	Computer Managed Instruction
	Drill	=	Drill and Practice
	Games	=	Games
	Sim	=	Simulation
	Tutor	=	Tutorial
Handicap:	EMR	=	Educable Mentally Retarded
	ED	=	Emotionally Disturbed
	HI	=	Hearing Impaired
	LD	=	Learning Disabled
	PH	=	Physically Handicapped
	SPH	=	Severely/Profoundly Handicapped
	TMR	=	Trainable Mentally Retarded
	VH	=	Visually Handicapped

ALPHABETICAL LIST OF SOURCES

A.U. Software 1
Activity Resources Company, Inc. 1
American Educational Computer 1
American Guidance Service 1
American Learning Corporation 1
Paul S. Amidon & Associates, Inc. 1
Apple Computer, Inc. 2
Applied Educational Systems 2
Aquarius 2
ASK Enterprises 3
Atari Program Exchange 3
Avant-Garde Creations 3
B & B Software 4
Basics and Beyond, Inc. 4
Behavioral Engineering 4
Bergwall Productions, Inc. 5
Bertamax, Inc. 5
Borg-Warner Educational Systems 5
Brainbank, Inc. 6
Centurion Industries, Inc. 6
Charles Clark Co., Inc. 6
Commodore Business Machines 6
Compu-Tations, Inc. 7
Computer Advanced Ideas, Inc. 7
Computer Courseware Services 7
Computer Skill Builders 8
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The Continental Press, Inc. 10
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Cybertronics International, Inc. 11
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George Earl Software 13
Educational Activities, Inc. 13
Educational Courseware 13
Educational Design, Inc. 14
Educational Images, Ltd. 14
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Fireside Computing, Inc. 17
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Follett Library Book Company 18
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J.L. Hammett Company 18
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Harcourt, Brace, Jovanovich, Publishers 19
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Modern Education Corporation 37
Modtec 37
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DIRECTORY LISTINGS

A.U. SOFTWARE
P.O. Box 597
Colleyville, Texas 76034
(817) 267-5236
Contact: Martha B. Talley, Owner

COMPANY INFORMATION
Type: Producer
Hardware: Apple; CP/M based machines; TRS-80
Level: Admin, IEP, Test
Distribution Policy: Mail order for Exam Builder, a test storage and file handler for producing and storing exam questions. Preview to major school districts. Mail order and sales call for Computer-Managed Special Education, an administrative software package for special education (preview negotiable).

PRODUCT(S)
Title: Computer-Managed Special Education**
Curriculum: Administration
Audience: Special Education Administrators and Support Staff
Format: Menu Driven Apple; TRS-80; Altos; other CP/M machines
Approach: Admin
Hardware: 48K memory, 2-4 disk drives
Description: Computer-Managed Special Education is a complete administrative software package. Features include student file storage, IEP generation and storage, correspondence, statistical reports, monthly updates for needed student services, and complete objectives for IEPs.

ACTIVITY RESOURCES COMPANY , INC.
20655 Hathaway Avenue; P.O. Box 4875
Hayward, California 94540
(415) 782-1300
Contact: Jane Barisione

COMPANY INFORMATION
Type: Distributor
Hardware: Apple I, II; TRS-80 Models I, III
Level: EC, Elem, Sec
Approach: Tutor, Game
Curriculum:
Math - Arithmetic, Fractions, Problem Solving, Logical Thinking
Distribution Policy: Mail order.

AMERICAN EDUCATIONAL COMPUTER
525 University Avenue
Palo Alto, California 94301
(415) 324-2811
Contact: Thomas B. Garsh, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II; Atari 800
Level: Elem; Author
Approach: Drill
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Writing
Readiness - Alphabets, Auditory Skills, Visual Skills

AMERICAN EDUCATIONAL COMPUTER, cont'd.

Distribution Policy: Sales Representatives, dealers, mail order, thirty-day guarantee.

A

AMERICAN GUIDANCE SERVICE
Publishers' Building
Circle Pines, Minnesota 56223
(612) 786-4343
Contact: Mark Brokering, Marketing Coordinator

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple, all models
Level: EC, Elem, Sec, Post; Test
Approach: Drill, Game, Sim
Curriculum:
Guidance - Career Education/Exploration
Math - Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Numbers, Visual Skills
Distribution Policy: Sales to schools and other institutions through direct mail (catalog); sales representatives will demonstrate programs to schools; disks fully warranted by manufacturer for ninety days; mail order; thirty-day on-approval previews.

AMERICAN LEARNING CORPORATION
5811 McFadden Avenue
Huntington Beach, California 92649
(714) 894-4437
Contact: Toni Morgan, V.P. Reading Development

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, IIe
Level: Elem, Sec
Approach: CMI, Drill, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills
Distribution Policy: Ninety-day warranty against defects in workmanship and materials; free replacement of defective disks and reimbursement of shipping costs; initially available only by contacting American Learning Corporation.

PAUL S. AMIDON & ASSOCIATES, INC.
1966 Benson Avenue
St. Paul, Minnesota 55116
(612) 690-2401
(800) 328-6502
Contact: Paul C. Amidon, President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II; TRS-80 Model II; Commodore VIC 20, PET
Level: EC, Elem, Sec, Post
Approach: CMI, Drill ,Tutor

PAUL S. AMIDON & ASSOCIATES, cont'd.

Curriculum:
Language Arts - Grammar, Library Skills, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Arithmetic, Fractions, Graphs, Problem Solving
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - Biology, Chemistry
Social Studies - American History, Elementary Social Studies

APPLE COMPUTER , INC.

20525 Mariani Avenue
Cupertino, California 95014
(408) 554-5152
Contact: Education and Consumer Product Marketing Group

COMPANY INFORMATION
Type: Publisher
Hardware: Apple
Level: EC, Elem, Sec, Post; Author, Teacher
Approach: CMI, Drill, Games, Sim, Tutor
Curriculum:
Computer Education/Literacy - BASIC, Graphics Packages, PASCAL, PILOT, Systems Utilities
Language Arts - Spelling
Math - Geometry, Logical Thinking
Readiness
Social Studies - Geography
Distribution Policy: Hardware and software sold through Apple Computer dealers nationwide

PRODUCT(S)
Title: Math Strategy*
Curriculum: Math
Level: Elem, Sec
Approach: CMI
Hardware: Apple 48K, DOS 3.3, AppleSoft
Description: The product incorporates the latest developments in neuro-linguistic programming, an approach to education that makes use of the interplay between eye movements and memory and offers self-paced instruction, helping students learn to make lasting mental pictures of math tables.

The product provides: challenging, interactive drills and exercises that hold a child's interest and are ideal for both home and classroom use, because they let you create your own math lessons. It includes self-paced beginning and intermediate exercises suitable for students at a number of learning levels. Computer's sound and color graphics capabilities reward correct answers, providing strong positive reinforcement. Full authoring capabilities are included.

Title: Spelling Strategy*
Curriculum: Language Arts
Level: Elem, Sec
Approach: CMI
Hardware: Apple 48K, DOS 3.3, AppleSoft
Description: The product incorporates the latest developments in neuro-linguistic programming, an approach to education that makes use of the interplay between eye movement and memory. The product offers self-paced instruction, helping students learn to make lasting mental pictures of words they can easily recall.

APPLE COMPUTER, INC., cont'd.

The product provides challenging, interactive drills and exercises that hold a student's interest; it allows you to create your own spelling lessons. The product includes self-paced beginning and intermediate exercises, suitable for students at a number of learning levels. Color and sound graphics capabilities reward correct answers, providing strong positive reinforcement. Full authoring capability is provided.

APPLIED EDUCATIONAL SYSTEMS

RFD 2, Box 213
Dunbarton, New Hampshire 03301
(603) 774-6151
Contact: Nancie S. Hamilton, Marketing

COMPANY INFORMATION
Type: Producer
Hardware: CP/M Based Machines
Level: Admin, Test
Distribution Policy: Information on ordering and on obtaining preview materials available by telephone or mail; software support provided.

PRODUCT(S)
Title: Educational Assessment Test Scoring System*
Curriculum: Testing
Level: Grades K-twelve
Audience: Test administrators
Approach: Test Scoring/Record Maintenance
Hardware: Microcomputer with 56K and CP/M, two disk drives, video, printer, mark sense card reader ($800-$1500).
Description: The AES Test Scoring System corrects multiple choice tests of up to 100 questions each and correlates responses with performance indicators (objectives), allowing schools or school districts to monitor student progress in competency areas. Reports by individual student, by school, and/or by district may be requested. Eight different reports indicate student or group performance, student or group summaries, and test validity.

AQUARIUS

P. O. Box 128
Indian Rocks Beach, Florida 33535
(813) 595-7890
Contact: Phil Padol, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II, IIe; TRS-80 Model III, Disk/Cassette
Level: EC, Elem, Sec
Approach: CMI, Drill, Tutor
Curriculum:
Guidance - Career Education/Exploration, Life Skills
Readiness - Alphabets, Numbers
Language Arts - Grammar, Remedial Reading Skills, Vocabulary
Math - Arithmetic, Fractions, Graphs, Problem Solving, Remedial Math
Science - Biology, General Science
Social Studies - American History
Vocational Education/Job Skills
Distribution Policy: Aquarius offers previews of software. Software is guaranteed, and may be

AQUARIUS, cont'd.

returned for refund. Distribution of software is through mail order, sales representatives, and dealers.

PRODUCT(S)
Title: Dressing (two programs)*
Curriculum: Reading Readiness
Level: EC
Format: Matching words and pictures
Approach: Drill
Hardware: Apple II 48K
Description: This software package features: large print on screen display, sound, colorful rewards, simple "space bar only" operation, automatic advancement after three tries, random word selection from a pool of 31 words (allowing for continuous program reuse), full-color, controlled vocabulary books, colorful reinforcement games.

Programs include: (1) Dressing--Clothes and dressing are the subjects of these programs. Each program includes a multiuse disk lesson, controlled vocabulary books (single copy of each title), and cut-out dolls and doll clothing; (2) Dressing I--Getting Dressed, Getting Undressed; (3) Dressing II--What Will They Wear?, Special Clothes.

Title: Math For All Ages (series of 16 programs)*
Curriculum: Math: Addition, Division, Multiplication, Subtraction
Level: Grades one-six, Remedial
Format: Menu Driven, sequential lessons, management system
Approach: CMI, Drill
Hardware: Apple II, IIe; TRS-80 Model III Disk; TRS-80 Cassette
Description: Mathematics skills are broken down into series of lessons. Basic number operations are taught using pictures. Pretests, which are coordinated with the lesson disks, enable the teacher to place students according to individual need. The management system records students' scores for each lesson.

Title: Survival Mathematics (series of three programs)*
Curriculum: Math: Addition, Division, Multiplication, Subtraction
Level: Grades six-nine, Remedial high school
Approach: CMI, Drill, Tutor
Hardware: Apple II, IIe; TRS-80 Model III Disk; TRS-80 Cassette
Description: Three programs address real-life situations demanding the use of math skills: (1) Real Cost--teaches how to compare prices by reading labels and finding the size and amount of contents in packages. The program also shows how to use unit-pricing labels. (2) Understanding Checkbooks-Statements--shows how to fill in a check register, how to write a check, how to reconcile a bank statement. (3) Fractions, Percents, Decimals--teaches equivalent fractions, percents and decimals; shows how to figure amount of savings on sale-priced items.

All programs include a management system.

Title: Survival Skills (series of 27 titles)*
Curriculum: Life Skills, Reading Comprehension, Vocational
Level: High School, Remedial
Approach: Tutor
Hardware: Apple II, IIe; TRS-80 Model III Disk; TRS-80 Cassette
Description: (1) Personal Consumerism (eight titles) addresses consumer problems and issues; (2) Work

AQUARIUS, cont'd.

Series (six titles) deals with how to get and keep a job; (3) Personal Finance (seven titles) shows how to manage money; (4) Contemporary Living (six titles) focuses on life styles and the individual's relationship to society.

Title: Their World (series of seven programs)*
Curriculum: Reading
Level: EC
Approach: CMI, Drill, Game
Hardware: Apple II, IIe
Description: These programs provide students with practice matching pictures of familiar objects with the name of the object. The programs use "space bar" operation. The words are randomly selected. Words and pictures used are drawn from the names of toys, clothing, food, parts of the body, colors and numbers, animals, and activities. A management system is included.

ASK ENTERPRISES
825 West Rosewood Street
Rialto, California 92376
Contact: Karl or Judith Steenson, owners

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: TRS-80 Models I, III 16K
Level: Elem, Sec
Approach: Drill, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Spelling, Vocabulary
Distribution Policy: Mail order.

ATARI PROGRAM EXCHANGE
Atari, Inc.
P. O. Box 3705
Santa Clara, California 95055
(800) 538-1862

Information not available at time of publication.

AVANT-GARDE CREATIONS
P.O. Box 30160
Eugene, Oregon 97403
(503) 345-3043
Contact: Bob Meade, Sales Representative

COMPANY INFORMATION
Type: Publisher
Hardware: Apple
Level: Elem, Sec, Post, Author, Test
Approach: Drill, Game, Tutor
Curriculum:
Arts - Music, Poetry
Computer Education/Literacy - Graphics Packages, Systems Utilities
Foreign Languages - German
Language Arts - Grammar, Spelling
Math - Algebra, Arithmetic, Geometry

AVANT-GARDE CREATIONS, cont'd.

Distribution Policy: All software available either through mail or phone orders. Distribution nationwide to computer software retailers. Previews are set up on an individual basis. Details can be obtained by contacting company.

B

B & B SOFTWARE

P.O. Box 2090
Ann Arbor, Michigan 48106
(313) 668-8152
Contact: B. A. Galler, President

COMPANY INFORMATION
Type: Producer
Hardware: TRS-80 Models I, II, III
Level: Admin, Guidance

BASICS AND BEYOND, INC.

Pinesbridge Road, Box 10
Amawalk, New York 10501
(914) 962-2355
Contact: W. Koetke, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Atari 400/800; TRS-80 Models I, III
Level: Elem, Sec, Post
Approach: Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy
Guidance - Life Skills
Language Arts - Spelling
Math - Arithmetic
Science
Social Studies
Vocational Education/Job Skills - Typewriting
Distribution Policy: Software is available via mail order and through many stores. Preview is not available, but well covered by the company's ninety-day unconditional guarantee. Standard low-cost pricing policy is well known.

PRODUCT(S)
Title: Collectibles I*
Curriculum: Shape Recognition, Social Studies
Level: Grades one-twelve
Approach: Game, Sim
Hardware: TRS-80 Models I, III, 16K, cassette or disk
Description: This is a package of three programs, including: (1) Gomoku--an ancient, challenging board game; (2) Tightrope Politics--a simulation of political decision making; (3) Odd Shape Out--a shape recognition game.

Title: Microcosm I
Curriculum: Insurance, Games, Spelling
Level: Grades five-twelve
Approach: Drill, Game, Problem Solving, Sim, Tutor
Hardware: TRS-80 Models I, III, 16K, cassette or disk
Description: Microcosm I is a package of thirty well-documented, original programs for recreation, education and personal use. Titles include Country-Guess, Atlantis, South Pole, Spelling Review, Home Insurance, News Photographer, and Magic Squares.

BASICS & BEYOND, INC., cont'd.

Title: Microcosm II
Curriculum: Games, Math, Science
Level: Grades five-twelve
Approach: Drill, Game, Problem Solving, Sim, Tutor
Hardware: TRS-80, Models I, III, 16K, cassette or disk
Description: Microcosm II is a package of twenty original, well-documented, user-tested programs for education, recreation and personal use. Titles include Planet Finder, Algebraic Factoring, Shooting Gallery, Fish, Blank Slate, and Electrical Use.

Title: Microcosm III*
Curriculum: Division, Games, Typing
Level: Grades five-twelve
Approach: Drill, Game, Sim, Tutor
Hardware: TRS-80 Model I, III, 16K, Cassette or Disk
Description: Microcosm III is a package of twenty original, well-documented programs, each of which uses sound. The user can play several fascinating games, enjoy music, improve typing skills, and learn long division, among other activities.

BEHAVIORAL ENGINEERING

230 Mt. Hermon Road, Suite 207
Scotts Valley, California 95066
(408) 438-5649
Contact: Robert Dilts, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II+ 48K; Commodore 64, VIC 20; IBM/PC
Level: Elem, Sec
Approach: CMI, Drill, Game
Curriculum:
Language Arts - Composition, Creative Writing, Reading Skills (Elementary), Spelling, Vocabulary, Writing
Math - Arithmetic
Vocational Education/Job Skills - Typewriting
Distribution Policy: Apple Computer distributes math and spelling programs; phone/mail orders through Behavioral Engineering for other programs; also various dealers throughout U.S.; demo disks available for typing and LetterMan programs; all programs guaranteed; will replace defective disks.

PRODUCT(S)
Title: Composition*
Curriculum: Language Arts/Creative Writing
Level: Third grade through Secondary
Approach: CMI
Hardware: Apple 48K, Dos 3.3, AppleSoft
Description: The Composition program will actually install strategies for writing by using special words and cues to direct your thought processes as you are writing. When a sentence is typed in, the computer will put a key word, or group of key words, at the end of your sentence that will help 'prompt' you to think of what to write next. The prompts help provide connections between the experiences you are writing about. Different types of these key words can be used to link your thoughts together in different ways and head them in different directions. When you are through with your composition, all of the prompt words will have been stripped out and only the text entered is left.

BEHAVIORAL ENGINEERING, cont'd.

The Composition program also directs you to move your eyes while you are thinking about what to write. This is because recent research in the field of neuro-linguistic programming has shown that people move their eyes to specific positions while they are thinking.

Title: LetterMan*
Curriculum: Eye/Hand Coordination and Typing Skill
Level: Elem, Sec
Approach: Game
Hardware: Apple II 48K, Dos 3.3; IBM/PC 48K; or Commodore VIC 20 or 64
Description: Drawing from the popular Pac Man arcade game (for motivational purposes), LetterMan is a computer game that teaches typing and increases typing speed through play. The user is placed in a maze filled with words, letters and numbers, instead of dots, and is chased by ghosts whose starting speed is set by the player (in WPM) before beginning the game. The player moves by typing the letters that fill the maze.

A set of hands appears at the side of the maze and a marker points to the appropriate finger to be used for the character adjacent to the LetterMan figure in the last direction of movement. The player may create his or her own mazes with specialized exercise materials. For example, the player who desires typing/keyboard facility with legal or medical terminology could create mazes with such content vocabulary.

Title: Typing Strategy*
Curriculum: Language Arts, Typing Proficiency
Level: Elem, Sec
Approach: CMI, Drill, Game
Hardware: Apple II 48K, Dos 3.3; IBM/PC 48K; or Commodore VIC 20 or 64
Description: Typing strategy uses an animated image of the keyboard and a pair of hands to teach the strategy of excellence exhibited by master typists and keyboard operators. The user is taught to associate the character to be typed, the finger to be used and the position of the character on the keyboard using color computer graphics and sound. Should the user strike an inappropriate key, that key is colored to show its relationship to the location of the proper key. Thus, without ever having to look down at his/her hands, the user is offered immediate guidance about how to adjust behavior for accurate typing/keyboard operations. Because of this immediate visual feedback, the student will never inadvertently learn movements that must be corrected later.

Typing tests and full authoring capabilities are included in the program.

BERGWALL PRODUCTIONS, INC.

P. O. Box 238
Garden City, New York 11530
(516) 222-1111
(800) 645-3565
Contact: B. Bergwall, Marketing

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple
Level: Sec, Post; Lib, Teacher, Test
Approach: Tutor
Curriculum:
Science - Chemistry, General Science, Physics

BERGWALL PRODUCTIONS, INC., cont'd.

Vocational Education/Job Skills - Industrial Arts
Distribution Policy: Products are available for evaluation on approval only.

BERTAMAX, INC.

101 Nickerson Street, Suite 202
Seattle, Washington 98109
(206) 282-6249
Contact: Max Jerman, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Atari; TRS-80; TRS-80 Color Computer
Level: EC, Elem, Sec; Admin, Guidance, Lib
Approach: CMI, Drill, Game, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Spelling
Math - Arithmetic, Fractions, Problem Solving, Remedial Math
Guidance - Career Education/Exploration
Readiness - Alphabets, Numbers
Distribution Policy: Primarily marketed through dealers and sales representatives. Also direct sales by mail order.

BORG-WARNER EDUCATIONAL SYSTEMS

600 West University Drive
Arlington Heights, Illinois 60004
(312) 394-1010
(800) 323-7577; in Illinois (800) 942-6995
Contact: Taffy Van Amerongen

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II+ 48K; TRS-80 Model III 48K
Level: Elem, Sec
Approach: CMI, Drill, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Arithmetic, Geometry, Logical Thinking, Problem Solving
Distribution Policy: Direct Sales Representatives nationwide. Local MicroSystem 80 Managers are available for presentation, demonstration and inservice training. Toll-free telephone support staff at company headquarters. In addition to purchasing materials, nonprofit educational institutions may obtain courseware through a subscription agreement.

PRODUCT(S)
Title: Ufonic Voice System*
Curriculum: All
Level: All
Format: Floppy disk and board for insertion into any available expansion slot
Hardware: Apple II, Monitor with speaker
Description: The Ufonic Voice System works as follows: A preprogrammed floppy disk is inserted into the disk drive. The data is loaded into the resident memory of the Apple while the digital information used to recreate the voice is loaded into a separate storage area in the Ufonic computer. As the program

BORG-WARNER EDUCATIONAL SYSTEMS, cont'd.

begins, the two computers act in concert, displaying visual information and producing verbal messages. Visuals may change and interaction can take place on the Apple while the Ufonic voice system produces the appropriate instruction or response.

The system is recommended for special education or any setting where spoken instructional reinforcement is important to the learning process.

BRAINBANK, INC.

220 Fifth Avenue
New York, New York 10001
(212) 686-6565
Contact: Ava Stern, Exec. Vice President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Science - Human Anatomy
Social Studies - American History
Distribution Policy: Back-up copies are available at substantially reduced prices. Demo disks are available for a modest fee. Defective diskettes or cassettes will be replaced within two months free of charge.

CENTURION INDUSTRIES, INC.

167 Constitution Drive
Menlo Park, California 94025
(415) 321-0800
Contact: Eric F. Burtis, President

COMPANY INFORMATION
Type: Producer
Hardware: Versator Educational Computer
Level: Elem
Approach: Drill
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Remedial Math
Readiness - Numbers, Visual Skills
Science - Biology, Elementary Science

PRODUCT(S)
Title: Versator Educational Computer Mastery Learning Modules™*
Curriculum: Language Arts, Math, Reading, Science, Spelling
Level: Grades one-eight
Approach: Drill
Hardware: Versator Educational Computer

CENTURION INDUSTRIES, INC., cont'd.

Description: Features that are particularly suited for Special Education instruction: (1) short tasks with well-defined goals; (2) complete individualization; (3) limited-entry keyboard for simplicity of operation; (4) emphasis on basic academic skills; (5) simple and effective diagnostic/prescriptive capability; (6) process involvement - visual and tactile; (7) meaningful, repetitious drill to encourage long-term memory response; (8) portable, lightweight, sturdy; (9) lowcost, computer-assisted instruction.

CHARLES CLARK CO., INC.

168 Express Drive South
Brentwood, New York 11717
(516) 231-1220
Contact: Pam Bilello, Customer Service

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Atari; Commodore; TRS-80
Level: EC, Elem, Sec; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music, Visual Arts
Computer Education/Literacy
Foreign Languages - French, German, Spanish
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Grammar, Library Skills, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, Elementary Social Studies, World History
Vocational Education/Job Skills - Business and Office
Distribution Policy: A catalog lists quality educational products selected from about fifty different producers. Catalog is mailed nationally; more than sixty local representatives throughout the country personnally call on K-twelve schools. Products are supplied upon receipt of purchase order, on thirty-day approval. Defective merchandise may be returned for exchange.

COMMODORE BUSINESS MACHINES

P. O. Box 500
Conshohocken, Pennsylvania 19428

Information was not available at time of publication.

COMPU-TATIONS, INC.

P. O. Box 502
Troy, Michigan 48099
(313) 689-5059
Contact: Charles James, President

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple II+ 48K; Atari 800
Level: EC, Elem, Sec, Post; Author, Teacher, Test
Approach: CMI, Drill, Game
Curriculum:
Foreign Languages - German, Spanish
Language Arts - Spelling
Math - Fractions
Readiness - Alphabets, Numbers, Visual Skills
Vocational Education/Job Skills - Typewriting
Distribution Policy: Compu-Tations sells direct via mail order, as well as through dealers and sales representatives. All software is guaranteed to run. Customers may return products within thirty days if not satisfied.

PRODUCT(S)
Title: Early Elementary I*
Curriculum: Readiness
Level: Grades Preschool-two
Approach: CMI, Drill, Game
Hardware: Apple II 48K
Description: Early Elementary I is a series of four programs designed for preschool through the second grade. The programs require very limited keyboard skills. Each program provides a positive comment, graphics and optional music reinforcement when the student answers a problem correctly. A comprehensive teacher management file is included and the documentation includes ten behavioral objectives. Program titles include: Count the Shapes, Color Match, Number Drill, and Shape Match. All of the programs include personalized congratulatory messages, music, and happy or sad faces in response to each answer. The Teacher Management File offers the following options: adjust the number of problems, turn the music on or off, turn the record keeping on or off, view the class file, delete a name from the file, erase the entire class file, print a copy of the file, vary the speed of presentation.

Title: Early Elementary II*
Curriculum: Readiness
Level: Grades Preschool-two
Approach: CMI, Drill, Game
Hardware: Apple II 48K
Description: Early Elementary II is a continuation of a series of programs designed for the preschool through second grade levels. This disk also includes four classroom-tested programs, a password-protected teacher management file and documentation of behavioral objectives. Program titles include: Alpha Drill, Alphabet Line, Inside Out, and Number Line. These programs also include personalized congratulatory messages, music and happy or sad faces in response to each answer. The Teacher Management File offers the following options: adjust the number of problems, turn the music on or off, turn the recordkeeping on or off, view the class file, delete a name from the file, erase the entire class file, print a copy of the file, vary the speed of presentation.

COMPUTER ADVANCED IDEAS, INC.

1442A Walnut Street #341
Berkeley, California 94709
(415) 526-9100

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II
Level: EC, Elem, Sec, Post, Author, Teacher
Approach: Drill, Game
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Spelling, Vocabulary
Math - Arithmetic, Fractions
Science - Elementary Science
Social Studies - Elementary Social Studies
Distribution Policy: Direct retail sales, all software guaranteed for one year.

COMPUTER COURSEWARE SERVICES

Division of EMC Publishing/Changing Times Education Service
300 York Avenue
St. Paul, Minnesota 55101
(612) 771-1555
Contact: Robert F. O'Reilly, Vice President

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple II+, IIe; Commodore, PET, 64; Franklin Ace; TRS-80, Models I, III
Level: EC, Elem, Sec, Post; Admin
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Guidance - Life Skills
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Fractions, Graphs, Problem Solving, Remedial Math, Time Telling
Readiness - Alphabets, Numbers, Visual Skills
Science - Chemistry, Elementary Science
Social Studies - American History, Elementary Social Studies
Vocational Education/Job Skills - Home Economics
Distribution Policy: Software is sold through sales representatives throughout the U.S. and by direct mail. Demonstration diskettes are available for evaluation purposes. Software is warranted not to be defective. User satisfaction is guaranteed: materials may be returned within thirty days by insured mail for full credit.

PRODUCT(S)
Title: Arithmetic Drill: Addition, Subtraction and Multiplication**
Curriculum: Math
Level: Elem
Format: Single diskette
Approach: Drill
Hardware: Single disk, Apple II+; TRS-80 Models I, III
Description: Basic arithmetic facts are drilled in the program. Problems are randomly generated and 38 levels of material are provided. Based on progress, students will automatically branch through these levels.

COMPUTER COURSEWARE SERVICES, cont'd.

Title: Past Tense/Present Tense**
Curriculum: Language Arts
Level: Grades two-three reading level
Format: Single diskette
Approach: Drill
Hardware: Single disk, TRS-80 Models I, III; Apple II+
Description: Simple sentences and a choice of two verbs give students the chance to practice verb tenses. The order of sentences is randomly generated.

Title: Reading Readiness: Visual Discrimination**
Curriculum: Reading
Level: Pre-reading
Format: Single diskette
Approach: Drill
Hardware: Apple II+; TRS-80 Models I, III, single disk
Description: Students match numbers, letters, or graphic symbols in this program. They choose the number of symbols for matching and the type.

Title: Remembering Numbers and Letters**
Curriculum: Math, Reading
Level: Student with some knowledge of numbers and letters
Format: Single diskette
Approach: Drill
Hardware: Apple II+; TRS-80 Models I, III, single disk,
Description: The objective of this program is to recognize and retain numbers and letters. The choice of numbers or letters, the amount of either, and the length of time for display is made by the student. Based upon student success, the program speeds or slows the rate of display.

Title: Spatial Relationships**
Curriculum: Reading
Level: Pre-reading with aid, grade two on own
Format: Single diskette
Approach: Drill
Hardware: Apple II+; TRS-80 Models I, III, single disk
Description: Students get practice with a variety of spatial relationships as they move a graphic spider around boxes on the screen. Spatial concepts such as left/right, under/over, and larger/smaller are taught.

Title: Special Education Management System**
Curriculum: Administration
Audience: Special Education Administrators
Format: Two diskettes
Approach: Admin. Pkg.
Hardware: Apple II or II+ with AppleSoft in firmware and 48K RAM, DOS 3.3, two disk drives, printer capable of producing 132 column output.
Description: This database management system is designed to retain and report special information about students in a school or school system. It provides standard information about the students (name, address, parents, etc.) and any exceptionalities. Seven open fields allow the program to be individualized as necessary.

Title: Telling Time**
Curriculum: Math
Level: Student who knows the numbers 1-60
Format: Single diskette
Approach: Drill
Hardware: Apple II+; TRS-80 Models I, III, single disk
Description: Students practice telling time on four levels, from one-hour intervals to five-minute intervals.

COMPUTER SKILL BUILDERS

Division of Communication Skill Builders
3130 N. Dodge Boulevard
P. O. Box 42050, Dept. W
Tucson, Arizona 85733
(602) 323-7500
Contact: Steve Weintraub, Marketing Manager

COMPANY INFORMATION

Type: Publisher, Distributor
Hardware: Apple; IBM; TRS-80
Level: EC, Elem, Sec, Post; Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - BASIC, Graphics Packages, PILOT, Systems Utilities
Language Arts - Grammar, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Numbers
Social Studies - American History
Distribution Policy: Mail order; checks, Mastercard, Visa, or school purchase order number are accepted. All material is shipped on a thirty-day approval/money-back guarantee basis.

PRODUCT(S)

Title: Create Your Own Greeting Cards*
Curriculum: Creative Art, Communication
Level: Grades K-six
Approach: Game
Hardware: Apple, IBM/PC
Description: Students can sharpen their creative and communication skills with this activity. Ten prepared pieces of art, including a Christmas tree, snowman, reindeer, Hannukah Menorah, Halloween jack-o-lantern, birthday cake, party clown, Valentine's Day heart, American flag, and Thanksgiving turkey are provided to stimulate students' imagination and give them ideas for the "Create Your Own" portion, in which they will be able to create unique art for their own cards.

Students can indicate who the card is "to" and who it is "from," plus a personalized message for the recipient. The card is printed on any printer. Cards can be used for coloring, teaching about holidays, for teaching correspondence, creating bulletin boards and displays, and improving communication skills. The package includes one disk plus an instructional manual.

Title: Math Skill Builders*
Curriculum: Math
Level: Grades three-eight
Approach: CMI, Drill, Tutor
Hardware: TRS-80
Description: Math Skill Builders complements regular classroom and textbook instruction in arithmetic by creating individualized learning sessions for students. Suitable for use by students in grades three through eight, each of the programs performs the following functions:

Diagnoses the skill level of each student and stores the results in the classroom management module included with each course.

Demonstrates the solution of example problems at the student's skill level.

Creates a series of practice problems at the appropriate skill level for each student. When a student reaches a skill level determined by the

COMPUTER SKILL BUILDERS, cont'd.

teacher, he or she is automatically advanced to the next skill level.

Creates a set of unique printed problem assignments for each student to take home.

Compares and grades answers to each student's assignment problems and stores the results in the classroom management module.

Stores and prints a student status report for each student or for the entire class.

Prints a listing of the skill levels in each program.

Default values, such as the number of problems in a practice-session, are teacher-definable.

Each course includes one disk, one teacher's manual, and one student manual. Additional student manuals are available.

CONCEPT EDUCATIONAL SOFTWARE

P.O. Box 6184
Allentown, Pennsylvania 18001
(215) 266-1679
Contact: James J. Economy, V.P. Marketing

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: TRS-80 Models I, III
Level: EC, Elem, Sec, Post
Approach: Drill, Tutor
Curriculum:
Language Arts - Grammar, Spelling, Vocabulary
Math - Algebra, Arithmetic
Science - Chemistry, Physics
Social Studies - American History, Geography
Distribution Policy: Direct sales to customers; advertising in many publications geared to the educational market. Free return for replacement of defective cassettes or disks.

PRODUCT(S)
Title: Addition and Subtraction*
Curriculum: Basic Addition and Subtraction
Level: Grades K-three
Approach: Drill
Hardware: TRS-80 Models I, III, Cassette or Diskette
Description: The Addition and Subtraction program will provide students with the opportunity to practice an unlimited quantity of addition and subtraction problems. At entry to the program, students are given the choice of three different skill levels to work on. For each of the skill levels, students will encounter three different types of problems. If students attain the correct answer, a happy face appears; if students get a wrong answer, a sad face appears telling them to try again. If an incorrect answer is obtained twice, the correct answer will be given along with the correct amount of characters for the student to count out the problem (characters given at easy level only). On Balance the Seesaw problems students are given an unlimited number of attempts until the correct answer is obtained and the seesaw is balanced.

CONDUIT

100 Lindquist Center
The University of Iowa
P.O. Box 388
Iowa City, Iowa 52244
(319) 353-5789

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Atari; Commodore; TRS-80
Level: Sec, Post
Approach: Drill, Sim, Tutor
Curriculum:
Arts - Music
Foreign Languages - Spanish
Math - Algebra, Graphs, Logical Thinking, Problem Solving
Science - Biology, Chemistry, Physics
Distribution Policy: Mail order, with prepayment or institutional purchase order required; terms are net 30 days. Returns on micro software accepted within 30 days of invoice date for full refund.

THE CONOVER COMPANY

P. O. Box 155
Omro, Wisconsin 54963
(414) 685-5707
Contact: Terry Schmitz

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple; Texas Inst.
Level: EC, Elem, Sec; Admin, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary)
Math - Arithmetic, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills
Vocational Education/Job Skills - Business and Office, Industrial Arts
Distribution Policy: Direct sales through mailing lists and through use of dealer network. Conover markets and distributes all special education products produced by Upper Room Microcomputer Consultants.

CONSULTING PSYCHOLOGISTS PRESS, INC.

577 College Avenue
Palo Alto, California 94306
(415) 857-1444
Contact: Lorin Letendre, Sr. V.P./Gen. Mgr.

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; IBM/PC
Level: Sec, Post; Test
Approach: Tutor
Curriculum:
Guidance - Career Education/Exploration
Distribution Policy: Catalog distribution, conference exhibits, direct mail, space ads--primarily mail order.

THE CONTINENTAL PRESS, INC.

520 East Bainbridge Street
Elizabethtown, Pennsylvania 17022
(717) 367-1836
Contact: Dean R. Steinhart, Sales Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II; TRS-80 Model III
Level: Sec; Test
Approach: Drill, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Language Arts - Grammar
Math - Algebra
Distribution Policy: Most distribution is by mail order; also, through regional sales representatives nationwide; demonstration diskettes available for preview; problem diskettes may be returned.

CONTROL DATA PUBLISHING COMPANY

P. O. Box 261127
San Diego, California 92126
(800) 233-3784; in CA (800) 233-3785

Information was not available at time of publication.

COW BAY COMPUTING

Box 515
Manhasset, New York 11030
(516) 365-4423
Contact: Ruth Brewster, Customer Relations

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Commodore PET, 64 (limited)
Level: Elem, Sec; Admin
Approach: CMI, Drill, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Language Arts - Spelling
Math - Arithmetic
Distribution Policy: Mail or phone order. Back-up copies can be made for local use. Damaged or defective diskette will be replaced for a nominal service charge.

CUISENAIRE COMPANY OF AMERICA

12 Church Street, Box D
New Rochelle, New York 10805
(914) 235-0900
Contact: Jeffrey Sellon, Director of Sales

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple
Level: EC, Elem, Sec
Approach: CMI, Game, Sim, Tutor
Curriculum:
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Numbers
Distribution Policy: Mail order.

CURRICULUM APPLICATIONS

P.O. Box 264
Arlington, Massachusetts 02174
Contact: Roger Neal, Author

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: TRS-80 Models I, III, 16K
Level: Elem, Sec
Approach: Drill, Game, Tutor
Curriculum:
Foreign Languages - French, Latin, Spanish
Language Arts - Vocabulary, Writing
Math - Algebra
Distribution Policy: Mail order. 100% guaranteed to work; school purchase orders or check.

CURRICULUM ASSOCIATES, INC.

5 Esquire Road
No. Billerica, Massachusetts 01862
(617) 667-8000
Contact: Patty McLaughlin, Specialist

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; IBM; TRS-80
Level: Admin, IEP
Distribution Policy: Direct marketing by mail, phone, consultants.

PRODUCT(S)
Title: Computer-Managed Special Education**
Curriculum: Administration, IEP Management
Audience: Special Education Directors
Format: Menu Driven
Hardware: Micro with 48K and Hard Disk
Description: This program provides a complete special education database with 500+ bytes of student data with integrated programs for cross-correlations, parent and faculty communications, IEP generation, management lists of students by required criteria (all students needing vision assessment in April by campus location), etc. It includes summary statistics, exception reporting, etc.

CYBERNETIC INFORMATION SYSTEMS

Box 9032 Upper Union Street
Schenectady, New York 12309
Contact: E. D. Reilly, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Atari; Commodore 64; TRS-80 Models I, III
Level: Elem, Sec
Approach: Drill, Game, Sim
Curriculum:
Computer Education/Literacy - BASIC, LOGO
Language Arts - English
Math - Time Telling
Science
Social Studies
Distribution Policy: Mail order. No previews; money-back guarantee.

CYBERNETIC INFORMATION SYSTEMS, cont'd.

PRODUCT(S)
Title: BASIC LOGO*
Curriculum: Computer Science
Level: Grades six-twelve
Format: Diskette
Approach: Language Extension
Hardware: TRS-80 Models I, III, 32K+ disk
Description: The program adds Turtle Graphics and Sprite commands to disk BASIC. It allows students to create their own video games.

Title: Big Dipper*
Curriculum: General Science/Astronomy
Level: Grades five-eight
Format: Diskette or cassette
Approach: Sim
Hardware: Apple 16K+; Atari; Commodore 64; TRS-80 Models I, III
Description: The product displays Polaris and the seven stars forming the Big Dipper, which can be made to rotate around Polaris, the North Star, by an angular amount corresponding to an hour, day or month. Time and date corresponding to Dipper's position are displayed continuously.

Title: Clockface*
Curriculum: Language Arts
Level: Grades K-four
Format: Cassette or diskette
Approach: Drill
Hardware: Apple 16K; Atari; Commodore 64; TRS-80 Models I, III
Description: The product displays a clockface with randomly positioned hands and asks students to input time either digitally or in words. The clock smiles or frowns according to correctness of answer. Clock hands may also be set to a displayed time or clock may be made to 'run' at real time or up to 100 times faster.

Title: Historic Scroll*
Curriculum: History
Level: Grades seven-twelve
Format: Diskette or cassette
Approach: Sim
Hardware: TRS-80 Models I, III, 32K+ disk, printer
Description: The product prints up to thirty-five parallel time-lines denoting duration of historical events whose begin/end dates are stored on disk; allows identification of contemporaries at a glance. Scrolls may be indefinitely long and may cover many years, decades, or centuries.

Title: Limerick*
Curriculum: English
Level: Grades seven-twelve
Format: Diskette or cassette
Approach: Sim
Hardware: Apple 32K+; Atari; Commodore 64; TRS-80 Models I, III
Description: The product generates hilarious semi-sensible limericks by forcing randomly selected words to obey the rhyme pattern of a classical limerick.

Title: Magic Squares*
Curriculum: Math/Arithmetic
Level: Grades four-six
Format: Disk or tape
Approach: Concept demonstration
Hardware: Apple 16K+; Atari; Commodore 64; TRS-80 Models I, III
Description: Student inputs a value of N plus other parameters that lead to the construction of a possibly

CYBERNETIC INFORMATION SYSTEMS, cont'd.

magic NxN square, one whose row, column, and diagonal sums all agree. It is fun to watch the square develop number-by-number as each number appears somewhere in the square.

Title: Mazemaker*
Curriculum: Math, Logic
Level: Grades four-eight
Format: Diskette or cassette
Approach: Game
Hardware: Apple 16K+; Atari; Commodore 64; TRS-80 Models I, III
Description: Student steers a cursor through a displayed maze using control keys. Mazes are random but have a unique solution. Watching the maze develop into an intrinsically beautiful pattern is fascinating. An option tells cursor to 'grope' its way through maze by always turning left.

Title: Stars in the Union*
Curriculum: Social Studies
Level: Grades three-six
Format: Diskette or cassette
Approach: Sim
Hardware: Apple 16K+; Atari; Commodore 64; TRS-80 Models I, III
Description: The product displays U.S. flag with N stars in the Union, where N is an input quantity from 1 to 105. Star patterns may be circles, rectangles, or staggered rows corresponding to actual U. S. flags of a given era, or possible future flags as more states are added to the union.

CYBERTRONICS INTERNATIONAL, INC.

999 Mt. Kemble Avenue
Morristown, New Jersey 07960
(201) 766-7681
Contact: John Crichton, Software Publisher

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Commodore (in process); IBM/PC; TRS-80 (in process)
Level: Elem, Sec, Post; Teacher
Approach: CMI, Drill, Sim
Curriculum:
Computer Education/Literacy - LOGO, PASCAL
Math - Algebra, Arithmetic, Fractions, Logical Thinking, Problem Solving
Distribution Policy: Software fully warranted and returnable within thirty days if not satisfied.

DATA COMMAND

329 E. Court Street
Kankakee, Illinois 60901
(815) 937-1816
Contact: Spencer Barnard, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II, II+; TRS-80 Models I, III
Level: Elem
Approach: Animated Graphics, Drill, Game, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary

DATA COMMAND, cont'd.

Distribution Policy: Available through Audio Visual Dealers, direct mail, catalogs. Thirty-day preview of demonstration disks available for TRS-80 Models I and III or for Apple II or II+.

PRODUCT(S)
Title: Tank Tactics*
Curriculum: Reading, Spelling
Level: Grades four-six, Remedial grades seven-eight
Format: Game with graphics
Approach: Animated Graphics, Drill, Game, Tutor
Hardware: Apple II, II+; TRS-80 Models I, III
Description: Tank Tactics is a reading game in which students must use word skills to win a battle with an adversary called the Super Tank. Maximum use of animated microcomputer graphics is used to heighten enjoyment of the game. Each screen shows one Super Tank and four smaller tanks, which represent students' armies. In each frame, the Super Tank fires a word or word root. Under each of the smaller tanks there is a word part, one of which will fit with the Super Tank's word or word root. The exact procedure depends upon the specific skill being taught in that program. Students actually see the tanks maneuver into position after each response and witness the battle. If students get ten correct responses in each round they win the battle. A visual word of encouragement is displayed if students lose. The strong incentive factor in Tank Tactics will encourage diligence in applying word recognition skills.

Each of the seven programs opens with basic instructions in the specific word skill to be used and gives complete, easy-to-follow directions for playing the game.

DEVELOPMENTAL LEARNING MATERIALS, cont'd.

Description: Because of the game control options on Arcademic Skill Builders, the programs are appropriate for LD, EMR, ED or EI, PH or Gifted.

These challenging supplemental programs meet the language arts needs of individual students by providing the following game control options: nine different speeds at which the game can be played; specific content in game; difficulty of content--reading and vocabulary levels range from first to fourth grade; time per game can vary from one to five minutes; paddle or keyboard control; sound effects can be used or not.

Title: Arcademic Skill Builders in Math
Curriculum: Math, Arithmetic
Level: Grades one-twelve
Approach: Drill
Hardware: Apple II 48K
Description: Arcademic Skill Builders in Math was designed specifically for remedial work in arithmetic skills for the student with learning difficulties. The option of changing the speed of the game and the content allows the program to be used with the very slowest arithmetic student. The use of the S/X and K/M keys for counting also allows the slower student to play the game with success.

The options of using the ASDWX or JKLMI keys for playing the game allows students with limited range of hand movement to play the game as successfully as other students. Both the Alligator Mix and Dragon Mix games provide students with very limited hand movement to play the game, since they use the space bar only. The paddle/joystick option on each game enables students with limited motor skills to play.

DEVELOPMENTAL LEARNING MATERIALS

One DLM Park, P. O. Box 4000
Allen, Texas 75002
(214) 248-6300
(800) 527-4747; in Texas (800) 442-4711
Contact: Annette J. P. Schmidt, Marketing Services Coordinator

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, II+, IIe; Texas Inst. 99/4A
Level: Elem
Approach: Drill, Game
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Remedial Math
Distribution Policy: Orders taken by phone and by mail; consultants and sales representatives in several major states; thirty-day approval and preview requests handled individually; six-month guarantee on diskettes.

PRODUCT(S)
Title: Arcademic Skill Builders in Language Arts*
Curriculum: Basic Language Arts Skills
Level: Grades one-four
Format: Arcade-game
Approach: Drill
Hardware: Apple II, II+, IIe, one disk drive, either 3.2 or 3.3 system

DORSETT EDUCATIONAL SYSTEMS, INC.

P. O. Box 1226
Norman, Oklahoma 73070
(405) 288-2300
Contact: Don Hamilton, CAI Sales Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Atari; TRS-80 Model III and Color
Level: EC, Elem, Sec, Post
Approach: Tutor
Curriculum:
Foreign Languages - Spanish
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Grammar, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - General Science, Elementary Science, Physics
Social Studies - American History, Elementary Social Studies, Government/Law, World History
Vocational Education/Job Skills - Business and Office, Industrial Arts
Distribution Policy: Distribution is primarily through dealers; also by mail order and through sales representatives.

DUXBURY SYSTEMS, INC.

77 Great Road
Acton, Massachusetts 01720
(617) 263-7761
Contact: Anne Sullivan, Customer Relations

COMPANY INFORMATION
Type: Producer
Hardware: North Star
Level: Elem, Sec, Post; Lib
Handicap: VH
Distribution Policy: The Duxbury Microcomputer Braille Translator is usually sold as a complete system including a CRT terminal and a North Star microcomputer. If this hardware is already owned, the software alone is available; it is distributed on a 5-1/4" floppy diskette. Updates are available. All DS software is warranted for 90 days.

PRODUCT(S)
Title: Duxbury Microcomputer Braille Translator*
Curriculum: General Curriculum
Level: Grades one-twelve
Audience: Librarians
Hardware: North Star Horizon microcomputer, Braille Embosser or Braille cassette device
Description: The Duxbury Microcomputer Braille Translator provides high quality grade II Braille to blind students within their learning environments. The Duxbury Translator facilitates mainstreaming by making Braille copies of notes, assignments, worksheets, and tests available to blind students as easily as printed materials are available to their sighted classmates.

GEORGE EARL SOFTWARE

1302 South General McMullen Drive
San Antonio, Texas 70237
(512) 434-3618
Contact: George Earl, Owner

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Commodore; TRS-80
Level: Elem; Sec, Author, Teacher, Test
Approach: Drill, Tutor
Curriculum:
- Arts - Poetry, Visual Arts
- Computer Education/Literacy - BASIC
- Foreign Languages - French, German, Russian, Spanish
- Guidance - Career Education/Exploration, Life Skills
- Language Arts - Literature/Stories, Reading Skills (Elementary), Spelling, Writing
- Math - Algebra, Arithmetic, Fractions, Problem Solving
- Readiness - Alphabets, Numbers, Visual Skills
- Social Studies
- Vocational Education/Job Skills

Distribution Policy: Company sends previews for thirty days to individuals. Net thirty days for return items for both customers and stores. Net thirty days guarantee or money back. If disk(s) are damaged return without charge.

EDUCATIONAL ACTIVITIES, INC.

P. O. Box 392
Freeport, New York 11520

EDUCATIONAL ACTIVITIES, cont'd.

(516) 223-4666
(800) 645-3739

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Atari 800; Commodore PET; TRS-80 Models I, III
Level: EC, Elem, Sec, Post; Admin, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
- Computer Education/Literacy
- Guidance - Career Education/Exploration
- Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Vocabulary, Writing
- Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
- Science - General Science
- Social Studies - American History, Elementary Social Studies, World History
- Vocational Education/Job Skills - Business and Office

Distribution Policy: Mail order, sales representatives throughout U.S., thirty-day preview, all material guaranteed.

EDUCATIONAL COURSEWARE

3 Nappa Lane
Westport, Connecticut 06880
(203) 227-1438
Contact: Victor C. King, President

E

COMPANY INFORMATION
Type: Producer
Hardware: Apple II
Level: Sec, Post; Teacher, Test
Approach: CMI, Drill, Sim, Tutor
Curriculum:
- Computer Education/Literacy - BASIC
- Science - Astronomy, Biology, Chemistry, General Science, Physics
- Social Studies - American History

Distribution Policy: Dealer market is being expanded; schools should send purchase orders; all disks are guaranteed; defective disks will be replaced at no cost.

PRODUCT(S)
Title: Basic Tutor Series*
Curriculum: Computer Literacy and Programming
Level: Grades nine-adult education
Approach: CMI, Tutor
Hardware: Apple II
Description: This product is designed for those wishing to learn how to write programs on a computer. There are more than 100 programs written in AppleSoft BASIC in the series. The Basic Tutor Series is organized to provide a sequential study and practice of programming skills and techniques. Students can practice and learn programming at their own pace. Topics covered include the following: (1) Systems commands, operational control at the keyboard, and features available; (2) Introduction to programming commands; (3) Graphics programming commands; (4) Creating music and sounds; (5) Writing and reading text-files; (6) Creating pictures and graphic shapes; (7) Brief tutorial studies and examples; (8) Advance topics--Pokes, Peeks, Calls, Pointers, and memory

EDUCATIONAL COURSEWARE, cont'd.

mapping; (9) Basic Aid--utilities and routines to start your programs with.

All of these disks are menu driven and are user-friendly.

EDUCATIONAL DESIGN, INC.

42 W. 13th Street
New York, New York 10011
(212) 255-7900
(800) 221-9372
Contact: Renee Roper, Sales Administrator

COMPANY INFORMATION
Type: Distributor
Hardware: Apple II, II+
Level: Sec; Author
Approach: CMI, Tutor
Curriculum:
Language Arts - Grammar
Math - Arithmetic
Distribution Policy: Special preview disks for thirty-day trial available on written request; mail-order catalog sent on request; sales representatives in some states.

PRODUCT(S)
Title: Scandura MicroTutor II Language Arts (Word Structure) System*
Curriculum: Language Arts
Level: Grades seven-twelve
Format: Diagnostic Test, lesson, review, posttest
Approach: CMI, Tutor
Hardware: Apple II, II+
Description: The MicroTutor II Language Arts (Word Structure) System has been designed to provide individualized help on a broad basis in remedial education at the junior and senior high school levels.

Language Arts comes as an eight-level (one level per disk) package (or one four-level and two two-level packages). Each disk level includes: (a) a diagnostic test to determine areas where the student needs help; (b) instructional lessons individually selected to provide help in the areas indicated by the pretest; (c) mastery/review modules which check the student's progress; and (d) overall retention posttesting. A management system also is provided to maintain and monitor student records. Ten Study Groups of up to fifteen students each may be accommodated on each disk at any given time, for up to 1200 students on the entire series.

Title: Scandura MicroTutor II Tutorial Arithmetic System*
Curriculum: Arithmetic
Level: Grades five-ten
Format: Diagnostic test, instruction, shortcuts, review, posttest
Approach: CMI, Tutor
Hardware: Apple II, II+
Description: The MicroTutor II Arithmetic Tutorial System can be used to teach remedial arithmetic in an individualized manner at any level (addition, subtraction, multiplication and division) and is truly a second-generation instructional software package. While all MicroTutor II systems make extensive use of widely accepted principles of instructional systems design, the arithmetic tutorial system utilizes the latest advances in cognitive and instructional theory, and rivals the best of artificial intelligence.

EDUCATIONAL IMAGES, LTD.

Drawer E, West Side Station
Elmira, New York 14905
(607) 732-3510
Contact: Dr. Charles R. Belinky, Exec. Director

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Atari; Commodore; Texas Inst.; TRS-80
Level: Sec, Post; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Foreign Languages - French, Korean, Spanish, Vietnamese
Math - Algebra, Geometry
Science - Biology, Chemistry, Physics
Social Studies - Government/Law
Distribution Policy: Mail order system from catalogs. No returns are allowed on computer programs. Previews are limited to demo disks.

EDUCATIONAL SOFTWARE & MARKETING COMPANY

1035 Outer Park Drive, Suite 309
Springfield, Illinois 62704
(217) 787-4594
Contact: William E. Mayes, National Sales Dir.

COMPANY INFORMATION
Type: Producer
Hardware: Apple II; Commodore 64; Monroe OC8820; TRS-80 Models II, III
Level: Sec, Post; Admin, Test
Approach: Tutor
Curriculum:
Language Arts - Remedial Reading Skills
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Science -Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, World History

EDUCATIONAL TEACHING AIDS

159 W. Kinzie Street
Chicago, Illinois 60610
(312) 644-9438
(800) 621-7193
Contact: Carl Seltzer, Director

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Atari; TRS-80
Level: Elem, Sec
Approach: CMI, Drill, Game
Curriculum:
Computer Education/Literacy - BASIC
Language Arts - Vocabulary
Math - Arithmetic, Fractions, Remedial Math
Readiness - Alphabets
Distribution Policy: Mail order; sales representatives; limited preview policy; all programs guaranteed.

PRODUCT(S)
Title: Micro-Math Program with Record Keeping*
Curriculum: Math

EDUCATIONAL TEACHING AIDS, cont'd.

Level: Grades one-six
Approach: CMI, Drill, Game
Hardware: Apple 48K, DOS 3.3; TRS-80, 16K or 48K, one cassette or diskette
Description: This is a total computational skills program with the following features: programs can be customized by teacher; presents algorithms as they are taught; cost effective; complements all basal textbooks; over 280 levels for grades one-eight with automatic level adjustment; record-keeping capabilities; placement tests; flashcard and speech math games.

The program is also available without record-keeping functions. Individual titles include Decimals and Percents, Fractions, and Whole Numbers.

EDUCATIONAL TECHNOLOGY, INC.

2224 Hewlett Avenue
Merrick, New York 11566
(516) 868-2920
(212) 895-3993
Contact: Judith Stern, General Manager

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec; Admin, Lib
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - BASIC, PILOT, Systems Utilities
Guidance - Health and Safety, Life Skills
Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Geometry, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, Elementary Social Studies, World History
Distribution Policy: Sales representative primarily for schools on all levels.

EDU-WARE SERVICES, INC.

28035 Dorothy Drive
Agoura Hills, California 91301
(213) 706-0661
Contact: Kim Taylor, Acting Sales Mgr.

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple; Atari
Level: EC, Elem, Sec, Post
Approach: Game, Sim, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills
Science - Physics

EDU-WARE SERVICES, INC., cont'd.

Distribution Policy: Edu-Ware and Interactive Fantasies may be ordered directly from the Edu-Ware Services office or from your local computer dealer. Edu-Ware and Interactive Fantasies are supported after sale by a thirty-day limited warranty, rapid service, low-cost updates and replacements.

EICONICS, INC.

211 Cruz Alta
P.O. Box 1207
Taos, New Mexico 87571
(505) 758-1696
Contact: Ilse H. K. Grunninger, National Sales Mgr.

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple
Level: Author, Teacher
Approach: CMI, Drill
Distribution Policy: The Eureka™ Learning System, a courseware generator, is distributed through mail order and dealers. Thirty-day money-back guarantee is provided. Training in the use of the system can be arranged. Royalty arrangements can be made with Eiconics to enable developers to distribute courseware developed on the system.

ELECTRONIC COURSEWARE SYSTEMS, INC.

P.O. Box 2374, Station A
Champaign, Illinois 61820
(217) 359-7099
Contact: Sue Saeger, Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Atari; Commodore
Level: Elem, Sec, Post; Admin, Author, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Language Arts - Grammar
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving
Science - Biology, Chemistry, Physics
Distribution Policy: Direct mail, retail computer and book stores. Product is guaranteed from defects with a return policy. Review copies available to educational users.

PRODUCT(S)
Title: Ear Challenger*
Curriculum: Ear Training
Level: Elem and up
Approach: Game
Hardware: Apple II+ 48K, DOS 3.2 or 3.3, 1 disk drive
Description: Ear Challenger aids in teaching ear training. Structured in a game format, this program was developed for use with children and nonmusic majors.

Title: Elements of Mathematics*
Curriculum: Adding Fractions (like and unlike denominators), Reducing

ELECTRONIC COURSEWARE SYSTEMS, INC., cont'd.

Level: Elem and up
Approach: Drill
Hardware: Apple II+ 48K, DOS 3.2 or 3.3, 1 disk drive
Description: Designed to teach mathematics fundamentals, Elements of Mathematics aids in teaching adding fractions (common denominators), adding fractions (unlike denominators) and reducing fractions. This lesson series is developed with a student router and data-keeping options for monitoring student progress. Materials are presented in a progressively structured manner to aid in comprehension.

Title: Elements of Music*
Curriculum: Pitch Names, Pitches on Keyboard, Key Signatures
Level: Elem and up
Approach: Drill
Hardware: Apple II+ 48K, DOS 3.2 or 3.3, 1 disk drive
Description: Designed to teach music fundamentals, Elements of Music was developed for use with children and nonmusic majors who wish to learn the elements of music at an entry level. This lesson series is developed with a student router and data-keeping options for monitoring student progress.

Title: Language Arts*
Curriculum: English Grammar and Usage
Level: Elem and up
Approach: Drill
Hardware: Apple II+ 48K, DOS 3.2 or 3.3, 1 disk drive
Description: Designed to teach fundamentals of English usage, Language Arts was developed for use in teaching elements of English grammar. This lesson series includes a student router and data-keeping options for monitoring student progress.

EME
P. O. Box 17
Pelham, New York 10803
(914) 576-1121
Contact: T. McMahon, Vice President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; TRS-80
Level: Sec, Post
Approach: Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy - Graphics Packages
Math - Logical Thinking
Science - Biology, Chemistry, General Science, Metrics, Physics
Distribution Policy: Mail order; distributors; free preview and replacement of damaged and outdated disks.

ENCYCLOPAEDIA BRITANNICA EDUCATIONAL CORPORATION
425 N. Michigan Avenue
Chicago, Illinois 60611
(312) 321-7330
Contact: Tom Creevy, Marketing Manager

COMPANY INFORMATION
Type: Publisher, Distributor

ENCYCLOPAEDIA BRITANNICA EDUCATIONAL CORPORATION, cont'd.

Hardware: Apple
Level: EC, Elem, Sec; Lib
Hardware: HI, LD, PH
Approach: Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy
Language Arts - English, Grammar, Reading Skills (Elementary), Writing
Math - Algebra, Arithmetic
Readiness
Science - Biology, Chemistry

PRODUCT(S)
Title: CARIS**
Curriculum: Reading
Level: Preschool-Low Readiness, Nonreaders
Approach: Animation, Exploration
Hardware: Apple II+ 48K, DOS 3.3
Description: Designed to introduce reading skills to low-readiness children, CARIS addresses the problems of the beginning reader through noun and verb selection, followed by an animated cartoon illustrating the meaning of the sentence the child has formed. Based on an approach to learning similar to a child's play, CARIS encourages children to explore the program without placing emphasis on correct response. CARIS was field-tested with learning disabled students and is appropriate for use with deaf nonreaders and the physically handicapped of all ages whose writing or oral skills are impaired.

EVANS-NEWTON, INC.
7650 E. Redfield Road, Suite D-5
Scottsdale, Arizona 85260
(602) 998-2777
Contact: Burdette Bremer, Vice President

COMPANY INFORMATION
Type: Producer
Hardware: Apple; Commodore; TRS-80
Level: Admin, IEP
Approach: CMI
Distribution Policy: Evans-Newton warrants to the original purchaser only, ENI Software to be free from defects in materials and faulty workmanship under normal use and service for the first year after date of purchase. If, during this first year, a defect in the diskette should occur, the diskette may be returned to ENI or to an authorized ENI Dealer and ENI will replace the diskette without charge to you. If, after the first year from date of purchase, a defect in the diskette should occur, the diskette may be returned to ENI or authorized ENI Dealer and ENI will replace the diskette for $25.

PRODUCT(S)
Title: Project I.E.P.**
Curriculum: IEP Management
Audience: Directors, Coordinators of Special Education
Format: Menu Driven, User definable
Approach: CMI
Hardware: Apple II+ 48K with: Dual Drive and Controller or Corvus Drive, 9" B & W monitor, Epson, Centronics, Tally or other printers, PIC, and OCR; Commodore 8032K with: 8050 Dual Drive, CBM, Tally, or other printers, OCR.

EVANS-NEWTON, INC., cont'd.

Description: Project I.E.P. provides administrators and teachers with an efficient system for creating, monitoring, and evaluating student IEPs based on P.L. 94-142 Regulations and School District Selected Special Education Program Objectives.

Project I.E.P. monitors minimum administrative requirements for initial student placement in special education; student, home and medical information; student diagnostic information; student prescriptions; I.E.P. evaluation criteria; long-term goals; plus day-to-day monitoring of student short-term objectives.

A clerk or teacher aide, either in the district office or school, is required to initially insert student I.E.P. information into the microcomputer via keyboard. Thereafter, student test information on Mark Sense Cards is fed into an Optical Card Reader connected to a microcomputer to create and update the student's short-term objectives file. Project I.E.P. prints many different reports for teacher, parent, student and special education administrative review.

EXCEPTIONAL TECHNOLOGY

P. O. Box 9221
Austin, Texas 78766
(512) 454-7633
Contact: Sonnie Green, Marketing Director

COMPANY INFORMATION

Type: Publisher
Hardware: Apple
Level: Admin, Test
Handicap: EMR, LD, PH, SL, TMR
Approach: CMI
Distribution Policy: Exceptional Technology uses direct mail as well as independent distributors to market and sell packages. Currently there is one published product, and sample preview diskettes are available from sales representatives.

PRODUCT(S)

Title: AIM-Assessment, Instruction and Management**
Curriculum: Readiness--Language Development, Self-Help, Sensory Motor, Social-Emotional
Level: Birth to developmental age eight
Audience: Special Education Teachers and Administrators
Approach: CMI
Hardware: Apple II+, Printer, Screen
Description: This system provides for assessment, instructional objectives, and management of student progress for a developmental, early childhood curriculum. It is designed to assist in the planning and management of programs for multiply handicapped, retarded, physically handicapped, learning disabled, and speech-language impaired children.

EX-ED COMPUTER SYSTEMS, INC.

71-11 112th Street
Forest Hills, New York 11375
(212) 268-0020
Contact: Seymour Cohen, Sales/Marketing Director

COMPANY INFORMATION

Type: Publisher, Distributor, Producer

EX-ED COMPUTER SYSTEMS, INC., cont'd.

Hardware: Apple; Commodore; CP/M Based machines; TRS-80
Level: Admin
Distribution Policy: Mail order for Micro-Software. Sales presentations for Standard Software. All software guaranteed in full-ninety days. Maintenance contracts available.

PRODUCT(S)

Title: Student Information Record, Micro Version**
Curriculum: Information Management
Audience: Special Education Administrators
Hardware: Any computer supporting CP/M-80 operating system
Description: The Student Information Record System will: (1) provide Student Rosters by any one or combination of the following criteria: Classification (Handicapping Condition), Type of Program Placement, Nature of Required Review (Initial, Annual, Triennial), Source of Referral to Special Education, Ethnic Status, Primary Language, Related Services, Reason for Termination of Special Education Services, Class Number, Medical Alerts; (2) record Student Clinical and Medical Evaluations and will produce rosters of students requiring re-evaluation within specific time-lines; (3) provide class lists which include student name, ID#, DOB, Sex, Ethnic Status, and Primary Language. The rosters may be printed by Student Name (alphabetically), Student ID#, Class#, Building#, Teacher#; and (4) provide lists of students correlating any one of the 10 criteria in "(1)" above to the age of the students within that service area or classification. This program would permit a district to obtain all data required for annual child-count purposes, etc. This product has been designed to offer the administrator electronic access to vital student data via comprehensive, rapid, search and retrieval programs. The system operates on any microcomputer supporting CP/M-80.

F

FIRESIDE COMPUTING, INC.

5843 Montgomery Road
Elkridge, Maryland 21227
(301) 796-4165
Contact: Don Coyne, President

COMPANY INFORMATION

Type: Publisher, Producer
Hardware: IBM/PC; TRS-80 Models I, III
Level: Admin, Author
Approach: CMI, Drill, Tutor
Distribution Policy: Sales through software stores, catalogs and direct mail. Software is warranted to load and run. Fireside does not ship copies for purchase on approval; however, some of their catalog dealers will do so.

Publisher Note: Fireside specializes in the development and marketing of CAI authoring systems, which are used by courseware developers to create courseware, for all levels and virtually any subject. The authoring systems require no programming skills. Clients also use Fireside authoring systems to prepare courseware in special education (e.g., one client is developing a course in Speech Pathology, using CAIWARE-3D, Fireside's CAI/CMI Authoring System).

FISHER SCIENTIFIC COMPANY

Education Division
4901 W. Lemoyne Street
Chicago, Illinois 60651
(312) 378-7770
(800) 621-4769
Contact: Gene Panhorst, Technical Mktg. Mgr.

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Commodore; TRS-80
Level: EC, Elem, Sec, Post; Teacher
Approach: Drill, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - BASIC, LOGO, Graphics Packages, PILOT, Systems Utilities
Foreign Languages - French, German, Spanish
Language Arts - English, Grammar, Reading Skills (Elementary), Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Problem Solving
Readiness - Alphabets, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies
Vocational Education/Job Skills - Typewriting
Distribution Policy: Mail order; guaranteed to run or replaced/refunded.

G

FOLLETT LIBRARY BOOK COMPANY

Micro Computer Division
4506 Northwest Highway
Crystal Lake, Illinois 60014
(815) 455-1100
(800) 435-6170
Contact: Andrew Larson, Vice President

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Atari; Commodore PET, VIC, 64; TRS-80 Model I, III, TRS-80 color computer
Level: EC, Elem, Sec; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts
Computer Education/Literacy
Foreign Languages
Guidance
Language Arts
Math
Readiness
Science
Social Studies
Vocational Education/Job Skills

H

FULLMER ASSOCIATES

1132 Via Jose
San Jose, California 95120
(408) 997-1154
Contact: M. Fullmer, Owner

COMPANY INFORMATION
Type: Publisher
Hardware: Apple

FULLMER ASSOCIATES, cont'd.

Level: Elem, Sec; Author
Approach: Drill, Game
Distribution Policy: All programs are warranted. $15.00 charge for programs previewed at remote site. Cost of previewing and program list price payable in advance. Program list price will be refunded if programs and documentation are returned uncopied and in original condition. Damaged or copied programs or documentation will not be accepted for return.

PRODUCT(S)
Title: The Learning Box**
Curriculum: Any curriculum area
Level: Grades four-nine
Approach: Drill, Game
Hardware: Apple II 32K RAM, DOS 3.3, one disk, printer optional
Description: The Learning Box is one of the winners of the Johns Hopkins nationwide search for aids to the handicapped. A general-purpose drill authoring program to output facts in any subject, The Learning Box has a tic-tac-toe-like game format with color and sound. The teacher inputs questions and answers for a twenty-five item drill to a disk file that the computer uses to control the game. No programming skill is required and the number of drills is limited only by disk space.

GAMCO INDUSTRIES, INC.

P.O. Box 1911
Big Spring, Texas 79720
(915) 267-6327
Contact: Judith H. Rickey, Exec. Vice President

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Atari; Commodore; TRS-80
Level: Elem, Sec
Approach: Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Problem Solving, Remedial Math
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, Government/Law
Vocational Education/Job Skills - Business and Office, Home Economics

J. L. HAMMETT COMPANY

One Hammett Place
Braintree, Massachusetts 02184
(617) 848-1000
Contact: Rick Holden, Mgr., Microcomputer Division

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Commodore; TRS-80

J. L. HAMMETT COMPANY, cont'd.

Level: EC, Elem, Post; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Arts - Visual Arts
Computer Education/Literacy - BASIC, LOGO, Systems Utilities
Foreign Languages - French, Spanish
Language Arts - English, Grammar, Library Skills, Reading Skills (Elementary), Spelling, Vocabulary, Writing
Math - Arithmetic, Fractions, Graphs, Logical Thinking, Remedial Math
Readiness - Alphabets, Numbers
Science - Biology, Elementary Science, General Science, Physics
Social Studies - Elementary Social Studies, Geography
Vocational Education/Job Skills - Typewriting
Distribution Policy: Mail order; sales representatives.

THE HANDICAPPED'S SOURCE

Division of Intel'igent Consumer Electronics
526 Langfield
Northville, Michigan 48167
(313) 348-2793

Information was not available at time of publication.

HARCOURT, BRACE, JOVANOVICH, PUBLISHERS

757 Third Avenue
New York, New York 10017
(212) 888-3770
Contact: Carol Scheer, Executive Editor

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, IIe; Atari 800; TRS-80 Model III
Level: Elem; Test
Approach: CMI, Drill, Game
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving
Distribution Policy: School districts order products through elementary-high school sales representatives or by direct mail, using HBJ School department catalog.

HARTLEY COURSEWARE, INC.

P.O. Box 431
Dimondale, Michigan 48821
(616) 942-8987
Contact: Rosie Bogo

COMPANY INFORMATION
Type: Producer
Hardware: Apple II 48K

HARTLEY COURSEWARE, INC., cont'd.

Level: Elem; Author, Teacher
Approach: CMI, Drill, Game, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers
Social Studies - American History, Elementary Social Studies, World Geography
Distribution Policy: Sales representatives, school supply catalogs, educational dealers. Software may be replaced for up to two years ($6.00 + old disk). Backup copies available for $10.00 (one per program). Special prices on major updates and revisions. Previews available in areas where there are no dealers or sales representatives.

PRODUCT(S)
Title: Clock*
Curriculum: Mathematics
Level: Skill Level two-five
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk
Description: Clock is an excellent program to help students learn to tell time. Three separate formats may be chosen by the student (or teacher): (1) set the hands of the clock when the time is given digitally; (2) set the hands of the clock when the time is given in words, e.g., half-past seven; (3) type the digital time when the hands of the clock show the time.

For each format there are five levels of difficulty: (1) hour, (2) half hour, (3) quarter hour, (4) five minutes, (5) one minute (easy to discriminate). Record keeping on the disk will hold up to fifty student records.

Title: Consonants*
Curriculum: Language Arts, Reading
Level: Skill Level one-four
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk, CCD
Description: A complete series of phonics lessons on sounds of consonants and consonant blends is presented on this disk. Initial and final consonants are included along with initial, final, and medial blends. The teacher records the instructions and directions on tape with the use of the Cassette Control Device (CCD). This package is ideal for developing listening skills and helping students learn to discriminate between consonant sounds. The words on each lesson may be changed. There is complete record keeping. The use of both the audio and the visual stimulus is important to special education students. By changing the words, the teacher can tailor the lessons to the vocabulary in the students' reading series.

Title: Create - Spell It*
Curriculum: Language Arts, Reading
Level: Skill Level Elem or High School
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk, CCD
Description: This program is ideal to use when an auditory stimulus and a written response are desired. Any spelling list may be used. There are no spelling lists on the disk. Each word is recorded on tape. The

HARTLEY COURSEWARE, INC., cont'd.

tape is under the control of the computer. The computer keeps track of student responses and provides a printout or listing on the screen of words missed.

Title: Fact Sheets
Curriculum: Mathematics
Level: Elem
Format: Disk and Teachers Guide
Approach: Utility
Hardware: Apple II 48K, disk, printer
Description: This worksheet generator is a great teacher timesaver. For those who write timed tests on multiplication facts or generate drills on addition and subtraction facts, this program will be continuously useful.

Fact Sheets generates worksheets and corresponding answer keys for math facts. The program is totally menu driven. First, the teacher selects: (1) addition, (2) subtraction, (3) multiplication, or (4) division. Under each category the teacher may select from a list of objectives, e.g., facts 0-5, facts 5s only, etc. A worksheet and answer key for the exact skill needed will be generated. All problems will be random. Multiple worksheets may be generated for the same objective, yet each will be unique. The teacher has the option of entering two full lines of identification or instructions at the top of each worksheet.

Title: Letter Recognition*
Curriculum: Language Arts, Reading
Level: Skill Level one
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk
Description: Easy-to-read letters and numerals are presented. The student must find the corresponding letter or numeral on the keyboard. The following choices are available: (1) upper case letters only, (2) lower case letters only, (3) numerals, and (4) mixed characters.

The program offers record-keeping capabilities. This is a beginning program for children who are just learning the computer keyboard.

Title: Multiple Skills*
Curriculum: Language Arts, Reading
Level: Skill Level one-three
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk, CCD
Description: A variety of lessons covering root words, affixes, homonyms, compound words, plurals and contractions are presented. Lessons include one-three level vocabulary. Each lesson indicates the appropriate reading level. The instructions are presented to the student on the tape with the use of the Cassette Control Device (CCD). The words on each lesson may be changed. There is complete record keeping.

Because the teacher can give instructions to the child verbally, this program is very useful to the student who needs frequent directions and does not read well. Teachers may use the Create file to write their own lessons tailored to the needs of the students.

Title: Number Words - Level I*
Curriculum: Mathematics
Level: Skill Level one-two
Format: Disk and Teachers Guide
Approach: Drill, Tutor
Hardware: Apple II 48K, Disk

HARTLEY COURSEWARE, INC., cont'd.

Description: Lessons randomly present thirty number words to students. Five levels are included. One-digit or two-digit numbers may be selected: (1) 1-Digits (0-9); (2) 2-Number words (0-9); (3) 3-Number words (10s and teens); (4) 4-Number words (21-59); (5) 5-Number words (51-99).
When a number word is missed, the number of objects is shown to the student. Record-keeping capability.

Title: Parent Reporting*
Curriculum: Any
Audience: Elementary Classroom Teacher
Format: Disk and Teachers Guide
Approach: Utility
Hardware: Apple II 48K, disk, printer
Description: This "mini-word processor" lets a teacher send "personalized" messages home to the whole class. For the message, the teacher can write a general statement with "N" where each student's name is to be placed. Each message is followed by eight different categories that the teacher defines. Categories may be spelling, math, English, etc., or work habits and attitude. Each category may be given up to fifteen different "grades." The teacher writes the message, then selects the names of the students to receive the message. Next, the teacher selects the categories (subjects) to include on the report. The grades for each category (subject) are entered. There is also an option for a personal message. This program is a great way to keep parents informed of what is happening in the classroom.

Title: Prescriptive Math Drill*
Curriculum: Mathematics
Level: Skill Level one-four
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, Disk
Description: This is a two-disk system: one for addition and subtraction, one for multiplication and division. Only facts are presented. Large, easy-to-read numbers are used. Number sentences are presented both horizontally and vertically.

The teacher may decide whether or not missing addends, missing factors, etc., should be presented. The teacher may also determine if the presentations should be timed. All records can be printed at any time or viewed by the teacher on the video. The teacher enters the names of the students into the file. He/she then sets the level at which the students are to begin work. The teacher also decides what percentage of accuracy is necessary to advance to another level. Once the student correctly answers twenty problems at the accuracy specified, the computer automatically branches to another level.

The management system stores the results of the last three lessons a student has completed.

Title: Verb Usages 1, 2, and 3**
Curriculum: Reading and Language Arts
Level: Skill Level three-six
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, Disk
Description: These programs were written in response to many requests from teachers whose students needed simple, repetitive work on verbs. Each disk contains twenty lessons and four tests on verb usage. Each lesson requires the student to discriminate between the present, past and past participle form of commonly used and misused verbs. The words in each lesson may be changed. There is complete record keeping.

HARTLEY COURSEWARE, INC., cont'd.

This disk has a "mini-authoring system" that allows the teacher to add her/his own lessons.

Title: Vocabulary-Dolch*
Curriculum: Language Arts, Reading
Level: Skill Level one-three
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk, CCD
Description: This program is an excellent way to provide for drill and testing of common words. All Dolch words from prereading through the third grade are included in the computer lessons. Students see the words and say the word. Then they hear the word. The computer stores their responses for future review. The teacher records the words or words in context on any cassette tape recorder. The words in each lesson may be changed. There is complete record keeping.

This program can be used to provide additional reinforcement of the sounds and usage of vocabulary words. Words from the students' reading series (or any other reading material) may be put on the disk for student practice and review.

Title: Vowels*
Curriculum: Language Arts, Reading
Level: Skill Level one-three
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk, CCD
Description: A complete series of lessons on vowels is presented on this disk. Fifty-three lessons of twenty presentations each cover long and short vowels, double vowels, diphthongs, r-controlled vowels, the "schwa" sound and other related skills. The teacher records the instructions and directions on tape with the use of the Cassette Control Device (CCD). The words on each lesson may be changed. There is complete record keeping. The use of both the audio and visual input is a great help to special education students. Lessons may be added to the disk that begin with basic recognition of sounds and letter relationships.

Title: Vowels Tutorial*
Curriculum: Language Arts, Reading
Level: Skill Level one-three
Format: Disk and Teachers Guide
Approach: Drill, Tutor
Hardware: Apple II 48K, disk, CCD
Description: The Vowels Tutorial is an extensive series of lessons developed under a grant from the Apple Education Foundation. The student is presented with visual stimulus such as "r__t." Auditory instructions are given ("Type the missing letter you hear in the word 'rat'"). If the student makes an error, the program branches to a brief tutorial. A picture is shown of a word with the same vowel sound. Words of the same word family are then shown. There is complete record keeping on the disk.

Title: Who, What, Where, When, Why*
Curriculum: Language Arts, Reading
Level: Skill Level two-five
Format: Disk and Teachers Guide
Approach: Drill, Tutor
Hardware: Apple II 48K, disk
Description: Fourteen lessons have been carefully written and sequenced from easy to difficult. Each lesson contains twenty presentations on combinations of who, what, etc. If a question is missed, the student is told WHY the answer is incorrect. Students

HARTLEY COURSEWARE, INC., cont'd.

frequently have difficulty with these easy-to-confuse words and concepts. The words may be changed in each lesson. There is complete record keeping. This disk has a "mini-authoring system" that allows the teacher to tailor lessons to the needs and vocabulary level of the student.

Title: Word Families*
Curriculum: Language Arts, Reading
Level: Skill Level two-four
Format: Disk and Teachers Guide
Approach: Drill
Hardware: Apple II 48K, disk
Description: This disk includes three different skill categories: (1) beginning consonant substitution, (2) final consonant substitution, and (3) medial vowel substitution. For each presentation, the word is shown to the student with four additional letters. The student selects the other letters that will make a word. If the selection is incorrect, the response is recorded on the student's file. The words in each lesson may be changed. There is complete record keeping.

This program uses large upper and lower case letters. It has been well received by teachers of both LD and EMI children.

JACK L. HARTMAN & COMPANY, INC.

2840 Peters Creek Road
Roanoke, Virginia 24019
(703) 362-1891
(800) 336-5962; in VA (800) 542-5899
Contact: Dinitia Hartman, Vice President

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple; Atari; Commodore; IBM; Hewlett-Packard; TRS-80
Level: EC, Elem, Sec, Post; Admin, Author, IEP, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music, Poetry, Visual Arts
Computer Education/Literacy - BASIC, FORTH, Graphics Packages, PILOT, Systems Utilities
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Grammar, Library Skills, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, Elementary Social Studies, Government/Law, World History
Vocational Education/Job Skills - Business and Office, Home Economics, Industrial Arts
Distribution Policy: Hartman & Co. has representatives covering three states: Virginia, West Virginia, North Carolina. Mail orders and catalogs are distributed nationally. Products are guaranteed against any manufacturer's defect. Claims should be submitted in writing within thirty days upon receipt

JACK L. HARTMAN & COMPANY, INC., cont'd.

of merchandise. Demonstration of software at the site of the educator is free upon request.

Distributor of all Sysdata International products for special education instruction and administration. See products listed under Sysdata. Workshops, seminars, in-service sessions are provided to educators by consultants on most computer topics.

HEI, INC.
1495 Steiger Lake Lane
Victoria, Minnesota 55386
(612) 443-2500
Contact: Rosey Young, Educational Data Systems Manager

COMPANY INFORMATION
Type: Producer
Hardware: Apple II 48K
Level: Admin, Test, Test scoring and reporting, Instructional management by objectives, Attendance program available.
Approach: CMI
Distribution Policy: Markets directly from factory. No educational sales representatives. Consignment hardware and software available. Reader comes with a 90-day warranty; if the reader fails, customer is sent a replacement reader within 24 hours.

J.R. HOLCOMB COMPANY
3000 Quigley Road
Cleveland, Ohio 44113
(216) 621-6580
Contact: Don McKinnie, Mgr., Micro-Division

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Atari; Commodore; TRS-80
Level: EC, Elem, Sec, Post; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Language Arts - English, Grammar, Library Skills, Reading Skills (Elementary), Spelling, Vocabulary, Writing
Math - Arithmetic, Fractions, Time Telling
Distribution Policy: Educational School Supplier; catalog; mail order; sixteen sales representatives; Preview available by prior arrangement; standard publisher/producer warranties; returns by prior authorization only; literacy workshops and school inservice available.

HOLT, RINEHART & WINSTON, INC.
School Marketing Department
383 Madison Avenue
New York, New York 10017
(212) 872-2000

Information was not available at time of publication.

IBM
P. O. Box 1328
Boca Raton, Florida 33432
(305) 998-2000

Information was not available at time of publication.

IDEATECH COMPANY
P.O. Box 62451
Sunnyvale, California 94088
(408) 985-7591
Contact: Susan A. Eckert, Co-owner

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple
Level: Elem
Approach: Drill, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Spelling
Math - Arithmetic
Science - Elementary Science
Distribution Policy: Marketing and distribution channels include direct mail order, dealers and distributors. Purchasers may return software within ten days if it does not fit their needs. Defective software may be returned immediately for replacement. Damaged software will be replaced for a $5.00 charge.

INSIGHT UNLIMITED, INC.
3600 E. Memorial Drive, Suite #3
Muncie, Indiana 47302
(317) 747-1015
Contact: Richard A. Robinson, Dir. of Mktg.

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; TRS-80
Level: Admin, IEP, Teacher, Test
Distribution Policy: Direct marketing by corporate management and representatives (consultants).

PRODUCT(S)
Title: Insight Unlimited - Testing and Remediation System**
Curriculum: All
Level: Preschool, Grades K-twelve
Audience: Administrators
Hardware: Apple; TRS-80
Description: This program is a developmental, criterion-referenced testing system designed to produce an IEP for each student, as well as a classroom remediation plan and parent plan for remediation of the child. Contact publisher for specific hardware specifications and complete information about availability.

INSTANT SOFTWARE

Route 101 and Elm Street
Peterborough, New Hampshire 03458
(603) 924-9471
(800) 258-5473 (orders only)
Contact: April Wenzel, Advertising Assistant

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple, II; Atari; Commodore PET; Texas Inst.; Northstar; TRS-80 Models I, III, Level II
Level: Elem, Sec; Admin, Author, Lib
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Foreign Languages - Russian
Language Arts - Reading Skills (Elementary), Spelling
Math - Algebra, Arithmetic, Fractions, Geometry, Logical Thinking, Remedial Math
Science - Chemistry
Social Studies - Elementary Social Studies
Vocational Education/Job Skills - Business and Office, Typewriting
Distribution Policy: Software can be purchased via mail order or through an Instant Software sales representative. Instant Software has careful preview policies, i.e., an "Agreement of Nondisclosure" must be signed. All Instant Software is guaranteed. Credit refund policy only.

INSTRUCTIONAL/COMMUNICATIONS, INC.

10 Stepar Place
Huntington Station, New York 11746
(516) 549-3000
Contact: Dorothea L. Taylor

COMPANY INFORMATION
Type: Producer
Hardware: Apple; Franklin
Level: EC, Elem, Sec, Post
Approach: Drill
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Readiness - Visual Skills
Distribution Policy: Sales representatives; preview available.

PRODUCT(S)
Title: CLOZE-PLUS*
Curriculum: Reading
Level: Reading Levels: Grades three-eight
Approach: Drill
Hardware: Apple II+ 48K
Description: CLOZE-PLUS develops reading comprehension skills and vocabulary through structured cloze and context analysis strategies.

Title: Comprehension Power Program*
Curriculum: Reading
Level: Reading Levels: Grades one-twelve
Approach: Drill
Hardware: Apple II+ 48K
Description: This product helps students to develop comprehension and study skill strategies through preview skimming and comprehensive reading practice.

Title: Processing Power Programs*
Curriculum: Reading

INSTRUCTIONAL/COMMUNICATIONS, INC., cont'd.

Level: Reading Levels: Elementary and mature interest, grades one-six
Approach: Drill
Hardware: Apple II+ 48K
Description: This product offers unique reading improvement programs that provide perceptual processing training to heighten a student's ability to recognize, store, and use visual impressions during reading. A special education application of this program provides for wide spacing of words to reduce perceptual confusion. The number of words per line and presentation rates may be varied to accommodate individual needs.

Title: Word Memory Programs*
Curriculum: Reading
Level: Reading Levels: Readiness-grade one
Approach: Drill
Hardware: Apple II+ 48K
Description: This product includes game-like recognition activities with key level one vocabulary from major basal reading series, as well as I/CT's beginning reading vocabularies for elementary and secondary/adult students. It provides left-to-right visual functional and tachistoscopic word recognition practice at rates that may be varied to accommodate individual needs.

ISLAND SOFTWARE

P. O. Box 300
Lake Grove, New York 11755
(516) 585-3755
Contact: B. Scotto, Office Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II+; Commodore PET, 64
Level: EC, Elem, Sec
Handicap: HI
Approach: Drill, Game
Curriculum:
Foreign Languages - French, Spanish
Language Arts
Math - Logical Thinking, Problem Solving
Readiness - Visual Skills
Social Studies - American History, Elementary Social Studies
Distribution Policy: Mail order, thirty-day approval with purchase order.

PRODUCT(S)
Title: Mindstretcher Series*
Curriculum: Problem Solving, Logical Thinking
Level: Grades three-seven
Format: Cassettes, disks
Approach: Game
Hardware: Apple II; Commodore PET
Description: This product was specifically designed for gifted and talented students in grades three-nine. Talented students do not just play games; they look for winning strategies; they analyze patterns; they develop charts of the previous moves made by the computer; they are challenged to use analytical problem-solving techniques to solve these interesting, entertaining and educational puzzles. The product is presently being used by several schools for hearing impaired students. Individual titles include: (1) Jigsaw--four series of picture puzzles to assemble, ranging from a view of

ISLAND SOFTWARE, cont'd.

New York City to Whistler's Mother; (2) Traffic Jam/Chain Reaction--two programs--both provide exercise in strategy as the student tries to force his/her opponent into a vulnerable situation; (3) Rubik/Candles--two programs--both increase in difficulty to challenge the student as he/she develops his/her problem-solving skills; (4) Black/Kayles--two programs--deceivingly simple rules, but the strategy in these two contests makes use of advanced mathematical theory; (5) Jinx/Welter--two programs--two unique diversions to develop deductive reasoning and insight into the structure of mathematical abstractions.

J

J & S SOFTWARE
140 Reid Avenue
Port Washington, New York 11050
(516) 944-9304
Contact: Jay Grosmark, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; TRS-80
Level: Sec; CAI in secondary school sciences, The Grade Book; Teacher, Test
Approach: Drill, Tutor
Curriculum:
Language Arts - Vocabulary
Science - Biology, Chemistry, General Science, Physics
Distribution Policy: Mail order and through distributors; defective disks may be replaced at no charge, inexpensive demonstration disks are available.

JAMESTOWN PUBLISHERS
P. O. Box 6743
544 Douglas Avenue
Providence, Rhode Island 02940
(401) 351-1915
Contact: Kathy C. Smith, Vice President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple
Level: Elem, Sec, Teacher
Approach: Drill, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills
Distribution Policy: Thirty-day return and refund guaranteed for Jamestown courseware.

K

K-12 MICROMEDIA INC.
172 Broadway
Woodcliff Lake, New Jersey 07675
(201) 391-7555
Alan Zoldan, Publisher

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Commodore; TRS-80

K-12 MICROMEDIA, INC., cont'd.

Level: EC, Elem, Sec; Admin, Lib
Approach: Game, Sim, Tutor
Curriculum:
Arts - Music, Poetry, Visual Arts
Computer Education/Literacy - LOGO, PILOT
Guidance - Career Education/Exploration
Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science, Physics,
Social Studies - American History, Elementary Social Studies
Vocational Education/Job Skills - Business and Office
Distribution Policy: Mail order, some sales representation. Company attends appropriate regional and national meetings. Thirty-day return policy (with accompanying purchase order).

KIDSTUFF
P.O. Box 345
Dedham, Massachusetts 02026
(617) 326-0917
Contact: Tom Smith, Owner

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Atari; Commodore
Level: EC, Elem, Sec, Post; Teacher
Approach: Game, Sim
Curriculum:
Arts - Music, Visual Arts
Computer Education/Literacy - Graphics Packages
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Numbers, Visual Skills
Distribution Policy: Mail order, thirty-day warranty.

PRODUCT(S)
Title: Kidstuff*
Curriculum: Computer Literacy
Level: Grades two-adult
Audience: Teachers, Parents
Format: Cassette, Disk
Approach: Computer Language
Hardware: Commodore PET, VIC-20, CBM-64 with cassette or disk drive
Description: This product introduces computer programming to novices aged seven to adult using turtle graphics and a low resolution screen. It is a pre-BASIC or LOGO activity and also helps students understand how a computer works. It provides practice with left/right and other directionality problems and exercises problem-solving skills.

KRELL SOFTWARE CORPORATION
1320 Stony Brook Road, Suite 219
Stony Brook, New York 11790
(516) 751-5139
Contact: Jack Cohen, Sales Manager

KRELL SOFTWARE CORPORATION, cont'd.

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II, III; Atari 400, 800; Commodore PET, 64; TRS-80 Models I, III
Level: Sec, Post; Test
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Computer Education/Literacy - LOGO
Foreign Languages - German
Language Arts - Grammar, Vocabulary
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Distribution Policy: Sales representatives demonstrate on site. Krell also sells direct to retail dealers and direct to end users via direct mail.

LAUREATE LEARNING SYSTEMS, INC.

1 Mill Street
Burlington, Vermont 05401
(802) 862-7355
Contact: Mary S. Wilson, Ph.D., President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II+ 48K
Level: EC, Elem, Sec, Post; Author
Handicap: SL, VH
Approach: Tutor
Curriculum:
Guidance - Career Education/Exploration
Language Arts - Language Development, Remedial Reading Skills, Speech, Vocabulary
Distribution Policy: Mail order; defective diskettes can be returned for replacement.

PRODUCT(S)
Title: First Words**
Curriculum: Language Acquisition (Hires Graphics, Animation, Speech)
Level: Four months-two years (acquisition period for normal development; can be used by older, severely impaired students)
Audience: Speech-language Pathologists, Special Educators, ESL Teachers
Format: Manual, one diskette
Approach: Tutor
Hardware: Apple II+ 48K, Echo II Speech Synthesizer, DOS 3.3
Description: First Words is a vocabulary comprehension training program that uses 100 colorful pictures, amusing animation and speech to teach children fifty essential nouns (in the language development ages from nine to twenty-four months). Two different illustrations are provided for each word and six levels of instruction are available. In working through the six levels of instruction the learner receives training in tracking, hand-eye coordination, causality and picture matching with recall as well as training in vocabulary comprehension. Colorful animation techniques are used for instruction and reinforcement. Principles of knowledge of the correct response and modeling are used throughout.

This instructional program offers the excitement of a computer game.

LAUREATE LEARNING SYSTEMS, INC., cont'd.

Title: Microcomputer Language Assessment & Development System (Micro-LADS)**
Curriculum: Language Acquisition
Level: Two years
Audience: Speech Language Pathologists, Special Educators
Format: Manual, six diskettes
Approach: Tutor
Hardware: Apple II+ 48K, Echo II Speech Synthesizer, DOS 3.3
Description: Micro-LADS is a Microcomputer Language Assessment and Development System. It provides training on twenty-six language concepts ranging from action verbs to Wh-Questions, and it is targeted for children in the language development age from two to five years.

Title: Speak Up**
Curriculum: Augmentative Communication, Language Arts
Level: Grades K-Adult
Audience: Speech Language Pathologists, Special Educators, Resource Room
Format: Manual, one diskette
Approach: Tutor (demo), utility for building audible dictionaries and phrases (demo), augmentative communication system
Hardware: Apple II+ 48K, Echo II Speech Synthesizer, DOS 3.3
Description: Speak Up is an easy-to-use audible word and phrase maker/editor for your ECHO II (the inexpensive speech synthesizer from Street Electronics). With Speak Up you can create new dictionaries or add to the dictionary provided and the same is true for building phrases.

With Speak Up the user can generate talking instructional software as well as microcomputer-based augmentative communication systems. In addition to Speak Up, the disk comes with a dictionary of over 300 words, several phrase dictionaries and two demonstration programs. One program is a functional phrase augmentative communication system that can be adapted to the user's own needs. The other program is an example of audible Learning Disability courseware.

LEARNCO, INC.

128 High Street
Greenland, New Hampshire 03840
(603) 778-0813
Contact: James H. Smith

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; TRS-80
Level: Elem, Sec; Lib
Approach: CMI, Game, Sim
Curriculum:
Language Arts - Grammar, Library Skills, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Distribution Policy: Direct mail, distributors, and representatives.

THE LEARNING COMPANY

4370 Alpine Road
Portola Valley, California 94025
(415) 851-3160

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II+
Level: EC, Elem, Sec; Lib
Approach: CMI, Game, Sim, Tutor
Curriculum:
Arts - Visual Arts
Language Arts - Reading Skills (Elementary)
Math - Geometry, Graphs, Logical Thinking, Problem Solving
Readiness - Numbers, Visual Skills
Science - Elementary Science, Electrical Circuitry
Distribution Policy: Available through Apple dealers as well as The Learning Company. Qualified schools receive a 10% discount on all products purchased.

LEARNING TOOLS

686 Massachusetts Avenue
Cambridge, Massachusetts 02139
(617) 864-8086
Contact: Joan Thormann, Marketing Manager

COMPANY INFORMATION
Type: Producer
Hardware: Apple II, III; IBM P/C; DEC 325/350
Level: Admin, Clinicians, Curriculum Developers, Guidance, IEP, Teacher
Approach: CMI
Distribution Policy: May send purchase order or pay in full (10% discount with prepayment). Demonstration packages are available at a minimal cost or a local software distributor may be contacted in order to preview materials.

PRODUCT(S)
Title: Administrative Planning System $(APS)_{TM}$**
Curriculum: Administration; managing, accessing and sorting student or client records; report generation
Audience: Administrators, Teachers, Counselors, Clinicians, Curriculum Developers
Approach: CMI
Hardware: Apple II (PASCAL) 64k, two disk drives, an 80 column display card and printer with parallel interface; the APPLE III, IBM P/C and DEC 350 require 128k, two disk drives and print with parallel interface
Description: This product is appropriate for public and private school programs, clinics, rehabilitation centers, and social service agencies.

APS is an easy-to-use, flexible, user-definable student/client information management system. APS prints user-definable reports and provides answers to administrative inquiries such as student/client counts, due process compliance and reimbursement analysis. Student/client records maintained with the Individualized Planning System $(IPS)_{TM}$ are automatically updated.

Title: Curriculum Management System $(CMS)_{TM}$
Curriculum: Used for organizing and locating curriculum and service resources
Audience: Administrators, Teachers, Counselors, Clinicians, Curriculum Developers
Approach: CMI
Hardware: APPLE II (PASCAL) 64k, two disk drives, an 80-column display card and printer with parallel

interface; the APPLE III, IBM P/C and DEC 350 require 128k, two disk drives and printer with parallel interface.
Description: This product is appropriate for public and private school programs, clinics, rehabilitation centers, and social service agencies.

CMS centralizes and coordinates all instructional resources in any educational setting. It is adaptable and easily used by nontechnical staff members. CMS files can be used with the Individualized Planning System $(IPS)_{TM}$ for individualized goal planning and for the automatic transfer of goals and objectives to generate individual student/client reports such as IEPs, IWRPs and ISPs.

Title: Individualized Planning System (IPS)**
Curriculum: Used to plan, keep records and write reports for individual students or clients
Audience: Administrators, Teachers, Counselors, Clinicians, Curriculum Developers
Approach: CMI
Hardware: APPLE II (PASCAL) 64k, two disk drives, an 80-column display card and printer with parallel interface; the APPLE III, IBM P/C and DEC 350 require 128k, two disk drives and printer with parallel interface.
Description: This product is appropriate for public and private school programs, clinics, rehabilitation centers and social service agencies.

IPS adapts and expands to meet the users' individual information management and report writing needs. Authorized staff may access information in seconds and generate user-defined reports in minutes. IPS can be used with Curriculum Management System $(CMS)_{TM}$ files for convenient, individualized goal planning and with Administrative Planning System $(APS)_{TM}$ records for automatic updating of administrative information.

LEARNING TREE SOFTWARE, INC.

P.O. Box 246
Kings Park, New York 11754
(516) 462-6316
Contact: Robert Nathanson, Secretary

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Commodore 64, PET
Level: EC, Elem
Handicap: EMR, LD
Approach: CMI, Game, Tutor
Curriculum:
Math
Language Arts - Reading Skills (Elementary)
Readiness - Auditory Skills, Numbers, Visual Skills
Distribution Policy: Marketing through distributors, direct sales, mail order, catalogs, package for review requiring purchase order with thirty-day return guarantee.

PRODUCT(S)
Title: Basic Concept Series*
Curriculum: Readiness
Level: Preschool, Elementary
Format: Tutorial with evaluation section - natural voice
Approach: CMI, Game, Tutor

LEARNING TREE SOFTWARE, INC., cont'd.

Hardware: Commodore 64 or PET, Learning Tree Software Audio-Cassette
Description: This is a series of twenty-one programs, each available individually, that presents basic readiness concepts such as shapes, sizes, spatial relationships, body parts, and functional relationships. Natural-voiced instruction (on tape cassette) permits the very young nonreader to interact with the computer without teacher assistance. These programs are useful for learning disabled preschool and elementary level EMR students.

Title: Developmental Math Series*
Curriculum: Math Readiness
Description: This is a series of fifteen programs, available individually, that teaches the beginning math skills of numeration, greater-than and less-than, sets, numerical order, and time concepts. Natural-voiced instruction (on tape cassette) permits the very young nonreader to interact with the computer without teacher assistance. These programs are useful for learning disabled preschool and elementary level EMR students.

Title: Developmental Reading Series
Curriculum: Reading Readiness
Level: Preschool, Elementary
Format: Tutorial with evaluation section--natural voice
Approach: CMI, Game, Tutor
Hardware: Commodore 64 or PET, Learning Tree Software Audio-Cassette
Description: This is a series of six programs, available individually, that teaches the readiness concepts of same and different, concentration, and memory skills. Natural-voiced instruction (on tape cassette) permits the very young nonreader to interact with the computer without teacher assistance. These programs are useful for learning disabled preschool and elementary level EMR students.

LEARNING WELL

200 South Service Road
Roslyn Heights, New York 11577
(516) 621-1540 (800) 645-6564
Contact: David Savitsky, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple
Level: Elem, Sec
Approach: Game
Curriculum:
Language Arts - Reading Skills (Elementary)
Distribution Policy: Mail order. Phone orders (toll free number). Sales representatives in some areas. Warranty.

PRODUCT(S)
Title: Alphabetizing*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive

LEARNING WELL, cont'd.

Description: This game, utilizing a large grid, gives players the opportunity to place words in alphabetical order. Players choose, from four levels of difficulty, the words that need to be placed. The game allows players to place words, to move words, to challenge other players, and to pass a turn.

Title: Cause and Effect*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: While embarking on a mountain climbing expedition, players wind in and out of paths leading to the top of the mountain. Landing on specially designated spaces gives players an opportunity to answer questions concerning cause and effect relationships. Players also follow directions stated in terms of cause and effect, e.g., CAUSE--you lost your way; EFFECT--go back 1 space.

Title: Context Clues*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: In this game, a player attempts to uncover a hidden treasure by winding in and out of paths leading to four different treasure sites. When landing on specially designated spots, the player gains a chance to define a word taken from a short reading selection.

Title: Drawing Conclusions*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 -3.5; Blue Level Edition/3.5 - 5.0
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: This game utilizes a bingo-type format. It affords each player the opportunity to cover letters in the phrase "Drawing Conclusions" by reading a short selection and answering correctly. The screen displays every player's standing in trying to be the first to cover all the letters.

Title: Fact or Opinion*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: In this game, a player proceeds through a shopping mall. When landing at the entrance to one of the stores in the mall, the player gains the chance to answer a question. All questions are consumer-related and deal with advertising claims.

Title: Following Directions*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: In this game, players must follow directions from one location to another. The game

LEARNING WELL, cont'd.

plays differently each time it is used, as the method for play is dependent upon the route the players are directed to follow prior to the start of the game. Landing on specially designated spaces gives players the opportunity to answer questions. The reading selections focus on giving directions.

Title: Getting the Main Idea*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 -3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: This game takes the players on a trip around the world. As players pass each city, a graphic depicting an aspect of that city is displayed. When the players land on designated spaces, they are given the opportunity to read a selection and answer a question.

Title: Inference*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: This game takes the players on a journey through grammar school, junior high, high school and college. Players can personalize the game by typing in the names of schools in their area. As they proceed, players make inferences related to specific reading selections which are based on student life in the four phases of education. The first to graduate from college wins the game.

Title: Reading for Detail*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Hardware: Apple II, II+ 48K, one disk drive
Description: Players compete to be the first to arrive at the winner's circle in this fast-paced horse racing game. When landing on specially designated spaces, the players receive a chance to answer a question based on a short reading selection. The questions are in the form of Who, What, When and Where.

Title: Sequence*
Curriculum: Reading Comprehension
Level: Red Level Edition/2.0 - 3.5; Blue Level Edition/3.5 - 5.0
Audience: Student use only
Approach: Game
Hardware: Apple II, II+ 48K, one disk drive
Description: In this game, players arrange short reading selections by topic, and organize groupings of paragraphs in proper sequential order. Players use the computer keyboard to place the paragraphs in proper sequence as they appear on the screen.

LIGHTNING SOFTWARE, INC.

P.O. Box 11725
Palo Alto, California 94306
Contact: Wendy Greenberg, Public Relations Manager

COMPANY INFORMATION
Type: Publisher

LIGHTNING SOFTWARE, INC., cont'd.

Hardware: Apple II+, IIe, III; Atari 400, 800, 1200; IBM/PC
Level: Elem, Sec; Teacher
Approach: Drill, Game
Curriculum:
Vocational Education/Job Skills - Typewriting
Distribution Policy: Purchase order; thirty-day warranty period; thirty-day preview policy if ordered with purchase order; defective disks (after thirty-day warranty has expired) may be replaced for $5.00 with return of defective disk.

PRODUCT(S)
Title: MasterType*
Curriculum: Typing Instruction
Approach: Drill, Game
Hardware: Apple II+, IIe, III; Atari 800, 1200 (disk only); IBM/PC
Description: This product is a typing instruction program in an arcade game format. Designed to teach touch typing through drill and practice, the product includes preprogrammed lessons but also allows the teacher to create lessons. The package provides a manual that explains how to run the program, descriptions of various options, fingercharts for the keyboard, guidelines for successful touch typing, directions for individualizing lessons, and descriptions of the seventeen preprogrammed lessons.

LOVE PUBLISHING COMPANY

1777 South Bellaire Street
Denver, Colorado 80222
(303) 757-2579
Contact: Stan Love, Publisher

COMPANY INFORMATION
Type: Publisher
Hardware: Apple
Level: Elem; Teacher
Approach: CMI, Drill, Tutor
Curriculum:
Math
Distribution Policy: Mail and telephone orders; purchase orders accepted from institutions and organizations; thirty-day guarantee against defects for all diskettes; replacement and backup disks available--contact publisher for costs.

PRODUCT(S)
Title: Academic Skills: Mildly Handicapped Performance Prediction**
Curriculum: Academic Skills/Training
Audience: Preservice and Inservice Teachers and Staff
Approach: CMI, Drill
Hardware: Apple II 48K, DOS 3.3
Description: This program, developed by Edward L. Meyen, University of Kansas, deals with performance prediction of mildly mentally retarded students and learning disabled students. Each of the diskettes contains prediction exercises on curriculum importance, age, placement of academic skills, and achievement of mildly handicapped students. The Mildly Mentally Retarded disk covers these areas: (1) problem solving, (2) arithmetic concepts, (3) language usage, (4) punctuation, (5) capitalization, (6) spelling, (7) vocabulary, and (8) reading comprehension. Sequencing tasks are also included. Each diskette has

LOVE PUBLISHING COMPANY, cont'd.

the capacity to provide a printed record of student performance and allows the user to select exercises for review. A user manual and trainer manual are included.

Title: Academic Skills: Performance Prediction*
Curriculum: Academic Skills/Training
Audience: Preservice and Inservice Teachers and Staff
Approach: CMI, Drill
Hardware: Apple II 48K, DOS 3.3
Description: This program, developed by Edward L. Meyen, University of Kansas, allows users to learn the age at which academic skills in math, reading, and language arts are normally achieved. It contains prediction exercises and sequencing tasks. Each disk allows you to select exercises for random practice. A printout can be generated with a listing of references for further study. The program lets the teacher and professional educator understand, in an interactive mode, what they should expect of their students.

Inservice trainers and others charged with professional development of teachers and staff will find that this program is helpful to their programs. A user manual and trainer manual are included.

Title: Applied Behavioral Analysis*
Curriculum: Training
Audience: Teachers and Other Professionals
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3
Description: This product comprises four sets of twenty-five tutorials designed to impart basic knowledge important to understanding behavior. Topics covered include strengthening behavior, stimulus control, weakening behavior, and measuring behavior. Results are summarized for each topic.

Title: Basic Skills In Math*
Curriculum: Math
Level: Grades one-six
Format: Disks and spirit master support
Approach: Tutor
Hardware: Apple
Description: This system pinpoints the student's specific problem area in the basic fundamental math functions. It provides practice based on the needs of each child. After assessment, students are automatically branched to the part of the program that matches their needs. Later they progress to the mastery test and, upon demonstration of the basic skills for this level, are rewarded with an asteroid math learning game.

The individualization and motivational aspects of this system are its two strongest features. Any student can learn and retain the fundamental math functions at a rate totally dependent upon the student's abilities. Interest is retained through the space theme graphics, along with the visual and audio encouragement and rewards. The format and theme are compatible with a wide range of ages, from lower elementary to slower learning students in high school.

Spirit masters accompany each set of three disks to provide learning through more than one modality. The built-in record-keeping system makes the teacher's job easier by providing reports on each student's progression through the program.

This software program is readily understood and applied. Directions on the screen are clear and easily followed. Numerals are large, and the cursor aids students in correcting inadvertent mistakes.

LOVE PUBLISHING COMPANY, cont'd.

Title: Normal Growth and Development*
Curriculum: Training
Audience: Preservice and Inservice Teachers and Other Professionals
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3.
Description: This product includes four sets of twenty-five tutorials designed to help teachers and other professionals understand vitally important phases of child development. Clear screen explanations cover physical, social, cognitive, and language development. The self-paced program includes both a user and a trainer manual.

Title: Special Education A**
Curriculum: Teacher training
Audience: Preservice and Inservice Special Education Teachers
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3
Description: This product includes five sets of twenty-five tutorials on special education issues with screen explanation, interaction, and visual or printed reports. The five disks cover: (1) general terms, (2) services and programs; (3) legislative/legal (terminology); (4) assessment; and (5) instructional planning. A user manual and a trainer manual are provided. The package was developed by teacher educators specifically for inservice individual needs by Edward L. Meyen, University of Kansas.

Title: Special Education B**
Curriculum: Teacher Training
Audience: Special Education Teachers
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3
Description: This product includes four sets of twenty-five tutorials on the information needed to work with mainstreamed children. Designed by teacher educators for use as an interactive training resource, the product includes manuals for both the user and the instructor and covers: (1) the learning disabled; (2) the gifted; (3) the mentally retarded; and (4) the emotionally disturbed. The program was developed by Edward L. Meyen, University of Kansas.

Title: Special Education C**
Curriculum: Teacher Training
Audience: Preservice and Inservice Teachers and Other Professionals
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3
Description: This product, designed by teacher educators for use as a self-paced preservice and inservice training package, includes four sets of twenty-five tutorials covering the physically disabled, the visually impaired, the hearing impaired, and the speech and language impaired. The system, which is interactive with a progress report at the end of each tutorial set, was developed by Edward L. Meyen, University of Kansas. The product includes a user manual and a trainer manual.

Title: Special Education Vocabulary for Parents**
Curriculum: Language of Special Education
Audience: Parents of Exceptional Children and Youth
Approach: Tutor
Hardware: Apple II 48K, DOS 3.3
Description: This product comprises two sets of tutorials on the topics of handicapped children and their rights, placements and programs. Designed to help parents of exceptional children and youth to

LOVE PUBLISHING COMPANY, cont'd.

understand and learn the language of educational specialists, the product covers the terms most frequently encountered. A user manual and trainer manual are included.

MAFEX ASSOCIATES, INC.

90 Cherry Street
Box 519
Johnstown, Pennsylvania 15907
(800) 458-0151
(814) 535-3597, in PA call collect
Contact: Diana Reisz, Advertising Director

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Atari; Commodore; Texas Inst.; TRS-80
Level: EC, Elem, Sec, Post; Admin, Author, Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Foreign Languages - German
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Reading Skills (Elementary), Spelling, Vocabulary
Math - Arithmetic, Fractions, Time Telling
Readiness - Alphabets, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science
Social Studies - Elementary Social Studies, Geography
Vocational Education/Job Skills - Business and Office
Distribution Policy: Mail order

MARYLAND COMPUTER SERVICES, INC.

2010 Rock Spring Road
Forest Hill, Maryland 21050
(301) 879-3366
(301) 838-8888

Company markets a computerized Perkins Brailler. Additional information was not available at time of publication.

MATH AND COMPUTER EDUCATION PROJECT

Lawrence Hall of Science
University of California
Berkeley, California 94720
(415) 642-3167
Contact: Twila Slesnick, Director

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II; Commodore PET
Level: EC, Elem, Sec; Teacher
Approach: Game, Guided Discovery, Sim
Curriculum:
Computer Education/Literacy - BASIC
Language Arts - Vocabulary

MATH AND COMPUTER EDUCATION PROJECT, cont'd.

Math - Logical Thinking, Problem Solving
Distribution Policy: Primarily mail order. Discounts to dealers and distributors available. Mail order sales are final. Will replace defective disks.

MATHWARE

919 14th Street
Hermosa Beach, California 90254
(213) 379-1570
Contact: Maggie Morris, Coordinator

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple
Level: Elem, Sec; Admin, Teacher
Approach: CMI, Drill, Tutor
Curriculum:
Math - Arithmetic, Fractions, Graphs, Problem Solving, Remedial Math
Distribution Policy: Preview to schools--ten day period. Returns are handled promptly, with a replacement sent out same day.

PRODUCT(S)
Title: Basic Math System H*
Curriculum: Mathematics
Level: Grades two-eight
Approach: CMI, Drill, Tutor
Hardware: Apple II, IIe, disk drive; printer optional
Description: Basic Math System H is a set of five complete-in-themselves disks that cover a second through eighth grade math curriculum. Designed for home use, each disk contains complete instructions on use of particular keys and answer format, daily record storage, and more than 35 completely different teaching modules. These modules can be used to teach concepts that are entirely new to the student, as well as to provide review and drill. The five disks, each specializing in particular math functions, are: (1) Addition and Subtraction, (2) Multiplication and Division, (3) Fractions Concepts & Operations, (4) Decimal Concepts & Operations, (5) Ratios, Percents, and Negative Integers. A subset of up to 10 of the modules on a disk can be chosen for a particular lesson; the initial difficulty level of each module can also be selected, varying in increments from easy to difficult. These initial difficulty levels are automatically adjusted as the student proceeds through the lesson, so that material with which he is fairly proficient is upgraded. The constantly changing nature of the problems assures the student's concentration and retention.

Title: Basic Math System S*
Curriculum: Mathematics
Level: Grades two-eight
Approach: CMI, Drill, Tutor
Hardware: Apple II, IIe, disk drive; printer optional
Description: Basic Math System S is a comprehensive and completely interactive system of mathematics instruction designed for school use. The eight-disk system features: five curriculum disks containing teaching modules that cover a second through eighth grade math curriculum; a class management disk that maintains records for a class of 50 students; a diagnostic testing disk that administers tests at five different levels; a data storage disk. The teaching

MATHWARE, cont'd.

modules include all of those in Basic Math System H. A special feature of the school system is an optional lesson selection feature that will, on the basis of a diagnostic test, select a lesson plan for the student. Complete instructions for use of the computer are included on the diagnostic testing disk, so that a student can sit down at the computer and begin to use this software without any prior experience. A printout option is available for all class and individual records.

MCE, INC.

157 S. Kalamazoo Mall, Suite 250
Kalamazoo, Michigan 49007
(616) 345-8681
(800) 421-4157
Contact: Allen Kemmerer, National Sales Manager

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple
Level: Sec; Test
Handicap: ED, EMR, LD, TMR
Approach: Sim, Tutor
Curriculum:
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Math - Algebra, Problem Solving, Remedial Math
Vocational Education/Job Skills - Home Economics
Distribution Policy: Direct mail and dealer network; preview a demonstration kit of excerpted programs and documentation; provides opportunity for backup disk purchase at reduced rates with initial order; thirty-day warranty.

PRODUCT(S)
Title: Comparative Buying Series**
Curriculum: Applied Math, Basic Competencies, Consumer Education, Home Economics
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Sim, Tutor
Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K, and one disk drive
Description: Shows students the real dollar value of their shopping power. The Comparative Buying Series gives them the skills for smart shopping and encourages them to progress from simple, comparative analysis to concepts as advanced as cash and credit buying. Relevant, reinforcing colorful graphics attract and hold attention, and the program branches to reading levels approximating grades 2-7.

Also an ideal learning tool for basic adult education and English as a second language. Comparative Buying allows the teacher to control the presentation level and speed, and it combines tutorial instruction and simulations as well.

The program series comes with a complete guide including supportive materials engineered to complement and further reinforce instruction. In addition, a generous offering of teaching strategies and suggestions are included to simplify lesson planning and easily formulate and state objectives and methods for evaluation.

Complete series includes these four full programs: "Buying Wisely"; "Becoming an Informed Shopper"; "Understanding Sales Buying"; and "Cash Versus Credit Buying."

MCE, INC., cont'd.

Title: Home Safe Home**
Curriculum: Basic Competencies, Home Economics
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Tutor
Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K and one disk drive
Description: This health and safety package highlights major household hazards. Preventative suggestions are emphasized. Subjects by diskette include: (1) introduction and fire hazards, (2) electrical hazards, (3) fall hazards, (4) poison hazards.

Special Features--Branching: three reading levels, 2nd, 3rd, 5th grades (approx.); extensive use of animated color graphics; linking of sounds and music to concepts.

Title: Income Meets Expenses**
Curriculum: Applied Math, Basic Competencies, Consumer Education, Guidance, Home Economics, Vocational Education
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Drill, Tutor
Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K and one disk drive
Description: This budgeting package introduces students to the concept of budgeting by learning about income and its relationship to fixed and unfixed expenses. Subjects by diskette include: (1) introduction and definition of income, expenses and budget, (2) definition of needs and wants and their relationship to expenses, (3) categorization of fixed and unfixed expenses in relationship to needs and wants, (4-8) practice experiences sequentially designed to allow the learner to develop a simplified budget.

Special features--Branching: three reading levels, 2nd, 3rd, and 5th grade (approx.); combines tutorial with practice exercises; color graphics; worksheets included.

Title: Job Readiness--Assessment and Development**
Curriculum: Basic Competencies, Guidance, Vocational Education
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Assessment, Tutor
Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K and one disk drive
Description: This package combines the techniques of assessment and instruction in supplying learners with the information to develop job readiness attitudes and skills. Subjects by diskette include: (1) pretest and posttest of learner attitudes about work, (2) filling out job applications, (3) job interviews, (4) job placement agencies.

Special Features--Branching: Three reading levels, 3rd 4th, and 6th grade (approx.); pretest and posttest results available for printout; answer sheets included.

Title: Money Management Assessment**
Curriculum: Applied Math, Basic Competencies, Consumer Education, Home Economics, Vocational Education
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: CMI, Test/Assessment, Tutor

MCE, INC., cont'd.

Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K and one disk drive
Description: This diagnostic, prescriptive series assesses learner competency in basic money management vocabulary, concepts, and math skills. The results, when used for pretesting and posttesting, assist the teacher in the implementation and evaluation of learners using money management programs, especially MCE programs. Subjects by diskette include: (1) vocabulary of money management test, (2) concepts of money management test, (3) calendar concepts and money symbols test, (4) basic math skills test.

Special Features--Branching: two reading levels, 2nd and 5th grades (approx.); tests concepts and skills presented in Income Meets Expense and You Can Bank On It; tutorial review provided; test results available for printout; answer sheets included.

Title: Poison Proof Your Home
Curriculum: Basic Competencies, Home Economics
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Tutor
Hardware: Apple II+, II with AppleSoft in ROM, 48K and one disk drive
Description: This health and safety package includes the following subjects by diskette: (1) four catagories of poisons, (2) poison prevention concepts, (3) places poisons are found in the home, (4) suggestions for poison prevention, (5) what to do if a poisoning occurs.

Special Features--Branching: three reading levels, 2nd, 3rd, 5th grades (approx).; color graphics; linking of sounds and music to concepts.

Title: Problem Solving in Everyday Math Series
Curriculum: Applied Math, Basic Competencies, Vocational Education
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Sim, Test/Assessment, Tutor
Hardware: Apple II+, Apple II with AppleSoft in ROM, 48K and one disk drive
Description: Students are offered exciting, attention-holding instruction in solving math work problems while effectively having the essential principles of the problem-solving process reinforced.

Frustration is diminished because the program branches to three reading levels (approximate reading levels two-seven). These programs operate in tutorial, simulation, and problem solving modes.

The teacher controls printing speeds and presentation levels, and, like most MCE programs, a special feature prevents students from entering obscenities or racial slurs.

"Problem Solving Process"; "Solving Addition and Multiplication Problems"; "Solving Subtraction and Division Problems"; and "Solving Multiple-Step Problems."

Title: You Can Bank On It
Curriculum: Applied Math, Basic Competencies, Consumer Education, Guidance, Home Economics, Vocational Education
Level: Grades six-twelve
Audience: Special Education: ED, EMR, LD, TMR
Format: Diskette only
Approach: Tutor
Hardware: Apple II+, II with AppleSoft in ROM, 48K, and one disk drive

MCE, INC., cont'd.

Description: This banking package introduces the concept of a bank and provides practice in utilizing basic banking services. Subjects by diskette include: (1) concept and rationale of a bank, (2) beginning a savings account, (3) depositing money in a savings account, (4) withdrawing money from a savings account, (5) beginning a checking account, (6) writing checks and keeping records.

Special Features--Branching: three reading levels, 2nd, 3rd, 5th grades (approx.); combines tutorial with practice exercises; color graphics; worksheets included.

McGRAW-HILL/SCHOOL DIVISION

28th Floor
1221 Avenue of the Americas
New York, New York 10020
(800) 223-4180

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec; Teacher
Approach: Drill, Game, Sim
Curriculum:
Computer Education/Literacy - BASIC
Math - Remedial Math
Science - Elementary Science
Social Studies - Elementary Social Studies
Distribution Policy: Sales representatives; thirty-day preview on approval.

MEDIA MATERIALS, INC.

2936 Remington Avenue
Baltimore, Maryland 21211
(301) 235-1700
(800) 638-1010
Contact: Bruce B. Brown, General Manager

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II+; TRS-80 Model III
Level: Sec, Post; Teacher
Approach: Drill, HILV
Curriculum:
Computer Education/Literacy
Guidance - Career Education/Exploration, Life Skills
Language Arts - Grammar, Library Skills, Remedial Reading Skills, Writing
Math - Arithmetic, Graphs, Problem Solving, Remedial Math
Vocational Education/Job Skills
Distribution Policy: Catalog mail order sales; products fully guaranteed--can be returned without prior authorization; diskettes unconditionally guaranteed even if damaged in classroom use.

MICROCOMPUTER EDUCATION APPLICATIONS NETWORK (MEAN)

256 North Washington Street
Falls Church, Virginia 22046
(703) 536-2310
Contact: Alfred Morin, Director

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple
Level: Admin
Distribution Policy: Minimal dealer distribution; primarily direct sales.

PRODUCT(S)
Title: Modularized Student Management System (MSMS)**
Audience: Administrators, Teachers
Format: Modules
Approach: Administration, CMI
Hardware: Apple II, DOS 3.3
Description: This product can be customized to meet the needs of local education agency clients and includes training. The system is licensed to the client.

MICROCOMPUTER SOFTWARE SYSTEMS, INC.

4716 Lakewood Drive
Metairie, Louisiana 70002
(504) 887-8527
Contact: Michele Lopez, President

COMPANY INFORMATION
Type: Producer
Hardware: TRS-80 Models I, III
Level: Elem, Sec
Approach: Drill
Curriculum:
Math - Algebra, Arithmetic, Fractions, Measures
Social Studies - Geography
Distribution Policy: Mail order; no previewing; replacement of any cassette or diskette damaged in mailing if the item is returned.

MICROCOMPUTER WORKSHOPS CORPORATION

103 Puritan Drive
Port Chester, New York 10573
(914) 937-5440
Contact: Barbara Ross, President

COMPANY INFORMATION
Type: Producer
Hardware: Apple II+; Atari 800; Commodore PET + CBM64; TRS-80 Models I, II
Level: EC, Elem, Sec, Post, Teacher, Test
Approach: Drill, Tutor
Curriculum:
Foreign Languages - French, Spanish
Language Arts - Grammar, Remedial Reading Skills, Spelling
Math - Algebra, Arithmetic, Fractions, Remedial Math
Readiness - Alphabets, Numbers
Science - Biology, Chemistry, Elementary Science
Distribution Policy: Mail order and catalog companies. Thirty-day return with any purchase order. All programs guaranteed and any defective tapes or disks immediately replaced. Backup copies available at reduced price.

MICROCOMPUTER WORKSHOPS CORPORATION, cont'd.

PRODUCT(S)
Title: Basic Math Series*
Curriculum: Elementary Mathematics: Addition, Subtraction, Multiplication, Long Division
Level: Grades one-five
Approach: Drill
Hardware: Apple; Atari; Commodore PET; TRS-80
Description: Each program simulates the process using the screen as a piece of paper. All steps in the process must be entered by the student and all errors are immediately flagged and must be corrected before the student can continue. Correct answers are given if the student is unable to give the correct response; therefore, every student eventually completes the problem correctly.

MICROCOMPUTERS CORPORATION

34 Maple Avenue, Box 8
Armonk, New York 10504
(914) 273-6480
Contact: Jerald Greenberg, President

COMPANY INFORMATION
Type: Producer
Hardware: Texas Inst. 99/4A
Level: EC, Elem; Author, Teacher, Test
Approach: Drill, Game, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - LOGO, Systems Utilities
Language Arts - Grammar, Literature/Stories, Reading Skills, Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Fractions, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Social Studies - American History
Distribution Policy: Mail order, distributors, dealers; warranted to run error free.

MICROCOMPUTERS IN EDUCATION

Independent School District 281
4148 Winnetka Avenue, North
Minneapolis, Minnesota 55427
(612) 533-2781
Contact: Bill Heck, Computer Coordinator

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Commodore (all PETS)
Level: Elem, Sec
Approach: Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Foreign Languages - French, German
Guidance - Career Education/Exploration
Language Arts - Spelling
Math - Arithmetic, Fractions, Remedial Math
Readiness - Numbers
Science - Elementary Science, General Science
Social Studies - Elementary Social Studies
Distribution Policy: Catalog mail order; purchase orders accepted.

MICRO-ED
P.O. Box 24156
Minneapolis, Minnesota 55424
(612) 926-2292
(800) MICROED
Contact: George Esbensen, Business Manager

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II; Atari; Commodore PET; VIC-20, 64; Texas Inst. 99/4A; TRS-80 III and Color
Level: EC, Elem, Sec, Post
Approach: Drill, Game, Sim, Tutor
Curriculum:
Guidance - Driver Education, Life Skills
Language Arts - Grammar, Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Time Telling
Readiness - Alphabets
Science - Elementary Science, General Science
Social Studies - American History, Elementary Social Studies, Geography
Distribution Policy: Mail order; sales representatives, distributors, dealers. Previews permitted. Faulty disks or tapes replaced without charge.

MICRO LEARNINGWARE
P.O. Box 2134
North Mankato, Minnesota 56001
(507) 625-2205
Contact: Warren Allen, Marketing Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec, Post; Lib
Approach: Drill, Sim, Tutor
Curriculum:
Foreign Languages - French, German
Language Arts - Reading Skills (Elementary), Spelling, Vocabulary
Math
Science - Biology, Chemistry, Physics
Social Studies - American History, Geography
Vocational Education/Job Skills - Business and Office
Distribution Policy: Mail order (80%), dealers (20%). Software may be returned within 30 days for credit or refund.

MICROMATICS, INC.
181 North 200 West, Suite 5
Bountiful, Utah 84010
(801) 292-2458
Contact: Patricia T. Smith, Educational Software Representative

COMPANY INFORMATION
Type: Producer
Hardware: Apple; TRS-80
Level: Elem, Sec; Test
Approach: CMI, Drill, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills
Math - Fractions, Remedial Math

MICROMATICS, INC., cont'd.

Distribution Policy: For a charge of $20.00, company will send a tape cassette of five educational programs. Satisfaction is guaranteed or the tape may be returned for a full refund. The charge for a disk is $40.00 with the same offer of a full refund if not satisfied. There are eight programs on each disk. In certain instances free evaluation for a period of time is allowed. Company mails from its offices in Bountiful.

PRODUCT(S)
Title: The Micro-Educational Teaching System**
Curriculum: Phonics Skills and Math Skills
Level: Primarily grades K-six, but excellent for remedial work
Audience: Educators
Format: Cassette, disk
Approach: CMI, Drill, Tutor
Hardware: Apple II+; TRS-80 Model I or III
Description: The Micro-Educational Teaching System as a whole consists of 25 Phonics programs and 25 Math programs.

This system was developed specifically for Special Education and is excellent for remedial work as well. The programs were intentionally designed without graphics or games to focus the student's attention on learning techniques rather than on being entertained. The development of these programs was supported by a federal grant over a period of several years.

MICROPHYS
1737 West 2nd Street
Brooklyn, New York 11223
(212) 646-0140

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec, Post; Author, Lib, Test
Approach: Drill, Game, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Science - Chemistry, General Science, Physics
Distribution Policy: Several mail-order dealers; more than 200 retail stores also handle software; several independent sales representatives; also deal directly with schools and universities.

PRODUCT(S)
Title: Microphys Vocabulary/Spelling Series*
Curriculum: Language Arts: Vocabulary/Spelling
Level: Grades four-twelve
Approach: Drill, Tutor
Hardware: Apple II; Commodore; TRS-80
Description: Each vocabulary program contains approximately thirty words that have been appropriately rated for a particular grade level. The list of words dealt with in a given program can be displayed by running that program from line number 8000.

Each time a program is run, the computer will randomly select eight of the words and ask the student to choose the most appropriate definition. In addition

MICROPHYS, cont'd.

to developing vocabulary skills, the programs are useful in improving reading and spelling skills.

Note: Each vocabulary program is designed to generate individualized exams and homework assignments. The computer randomly selects a set of words for each student and grades the student's performance.

Each spelling program contains approximately sixty words that have been appropriately rated for a particular grade level. The format of each program is identical to that illustrated below:

A list of words dealt with in a given program can be displayed by running the program from line 8000. The teacher should display all sixty words and have the students define each word and construct sentences in which the words are used properly. If available, the associated Microphys vocabulary programs should be run in order to reinforce learning.

Each time the program is run, the computer will randomly select eight groups of five words. Any one of these five words may be spelled incorrectly.

The teacher may wish to generate individualized exams and homework assignments. The computer may be directed to generate randomly a set of words for each student and to grade the student's performance.

MICROPI

Box 5524
Bellingham, Washington 98226
(206) 733-9265
Contact: George Gerhold, Partner

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Commodore 64; CP/M Based Machines; Texas Inst.; TRS-80 Color Computer
Level: Sec, Post; Author, Teacher
Approach: Drill, Sim, Tutor
Curriculum:
Computer Education/Literacy - PASCAL, PILOT
Language Arts - Grammar
Science -Chemistry
Distribution Policy: Micropi sells courseware written in COMMON PILOT. In general, they do not provide review copies because of cost. Courseware is guaranteed, and the purchase price will be refunded upon return and receipt of a detailed critique of the materials. Micropi is interested in marketing quality materials written in PILOT and will handle the conversion to the machines listed. Custom programming of educational materials is also available.

MICRO POWER & LIGHT COMPANY

12820 Hillcrest Road, #224
Dallas, Texas 75230
(214) 239-6620
Contact: Ed Frantz, President

Type: Publisher, Producer
Hardware: Apple
Level: EC, Elem, Sec, Post; Author, Teacher
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy - Graphics Packages
Guidance - Life Skills

MICRO POWER & LIGHT COMPANY, cont'd.

Language Arts - Grammar, Library Skills, Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs
Readiness - Numbers, Visual Skills
Science - Elementary Science, General Science, Physics
Vocational Education/Job Skills - Home Economics
Distribution Policy: Sell to dealers, schools, businesses, and individuals. Preview arrangement available to schools.

MILLIKEN PUBLISHING COMPANY

1100 Research Blvd.
St. Louis, Missouri 63132
(314) 991-4220
Contact: Bodie Marx, Vice President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II+ 48K; Atari 400, 800; Commodore PET; Texas Inst. 99/4
Level: EC, Elem, Sec, Post
Approach: CMI, Drill, Game, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Writing
Math - Arithmetic, Fractions, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers
Distribution Policy: Network of dealers and representatives; thirty-day warranty.

MILTON BRADLEY COMPANY

443 Shaker Road
East Longmeadow, Massachusetts 01028
(413) 525-6411
Contact: Leslie Lawrence, Product Designer

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, AppleSoft
Level: Sec, Middle School (grades six-eight)
Approach: CMI, Drill, Game, Tutor
Language Arts - Grammar, Writing
Math - Arithmetic
Distribution Policy: Product sold through distributors. Preview: Demo disks available at $6.00 each. Backup disk available at $20.00 each.

PRODUCT(S)
Title: Building Better Sentences/Combining Sentence Parts*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and postests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution

MILTON BRADLEY COMPANY, cont'd.

graphics and special effects; built-in optional management system.

This program teaches students to recognize sentence parts and to compound subjects, predicates, and complements. Review drill covers compounding all sentence parts.

Title: Building Better Sentences/Creating Compound and Complex Sentences*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program teaches readiness skills and includes combining simple sentences into compound sentences and compound/complex sentences, adverb clauses, and adjective clauses.

Title: Decimal Skills*
Curriculum: Math
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

Decimal Skills teaches readiness skills, addition, subtraction, multiplication, and division of decimals.

Title: Division Skills*
Curriculum: Math
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

Division Skills includes ninety basic facts, one-digit divisors, two-digit divisors, whole number remainders, fractional remainders, and decimal remainders.

Title: Mixed Numbers*
Curriculum: Math
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

MILTON BRADLEY COMPANY, cont'd.

Mixed Numbers teaches readiness skills, addition, subtraction, multiplication, and division of mixed numbers.

Title: Percents*
Curriculum: Math
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

Percents includes three methods for expressing and solving equations, solving for percentage, solving for the base, solving for the rate, solving equations through selected methods, and solving for percent increase and decrease.

Title: Punctuation Skills: Commas*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program covers introductory elements, items in a series, interrupting elements, independent clauses, dates, addresses, letters, and titles.

Title: Punctuation Skills: Endmarks, Semi-colon, Colon*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program teaches the use of the period, question mark, exclamation point, semicolon (2 skills), and colon.

Title: Ratios and Proportions*
Curriculum: Math
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

MILTON BRADLEY COMPANY, cont'd.

Ratios and Proportions teaches readiness skills, using data to write ratios and proportions, and using data to solve stated proportions and to write and solve proportions.

Title: Reading Comprehension I*
Curriculum: Language
Level: Grades six-eight
Format: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program teaches students to recognize topic sentences, list supporting details, summarize main ideas, choose titles, and evaluate details.

Title: Vocabulary Skills: Context Clues*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program develops vocabulary through context, definition, contrast, educated guesses, and example.

Title: Vocabulary Skills: Prefixes, Suffixes, Root Words*
Curriculum: Language
Level: Grades six-eight
Format: Floppy disk, teacher's guide, reproducible activity sheets (includes pretests and posttests)
Approach: CMI, Drill, Game, Tutor
Hardware: Apple II, AppleSoft BASIC with 48K, DOS 3.3
Description: Features: easy to understand, easy to use; learn at your own pace; unique step-by-step programmed learning; full-color, high resolution graphics and special effects; built-in optional management system.

This program teaches introductory concepts and includes prefix tutors, suffix tutors, root word tutors, and word building.

MINNESOTA EDUCATIONAL COMPUTING CONSORTIUM (MECC)

2520 Broadway Drive
St. Paul, Minnesota 55113
(612) 638-0612

Information was not available at time of publication.

MODERN EDUCATION CORPORATION

P.O. Box 721
Tulsa, Oklahoma 74101
(918) 584-7278
(800) 331-3762
Contact: Judy McCrone, V. P., Sales and Marketing

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II; TRS-80 Model III
Level: Elem, Sec, Post; Test
Handicap: HI
Approach: Tutor
Curriculum:
Math - Arithmetic
Distribution Policy: MEC markets through direct mail and sales representatives; thirty-day approval; ninety-day guarantee on all materials.

PRODUCT(S)
Title: The Math Doctor, M.D.*
Curriculum: Diagnostic Math Test
Level: Grades two-ten
Handicap: HI
Audience: Elementary, Secondary math
Format: Thirty-nine objectives tested; uses random generating function
Approach: Tutor
Description: This is a diagnostic computer program with capabilities beyond those of a standardized paper and pencil test. It provides immediate diagnosis, tailored testing, test security, generative response (non-multiple choice), and short testing time. It has broad general education appeal and may be valuable in deaf and gifted and talented education.

MODTEC

Software Division
4144 North Via Villas
Tucson, Arizona 85719
(602) 293-5186
Contact: N. J. Modney, President

COMPANY INFORMATION
Type: Publisher
Hardware: Commodore VIC 20; Texas Inst. 99/4A; TRS-80 Models I, III
Level: Elem, Sec, Post; Lib
Approach: Drill, Game
Curriculum:
Computer Education/Literacy - Graphics Packages, Systems Utilities
Math - Graphs
Distribution Policy: Software is sold by mail order, and each package is guaranteed fully by Modtec. All instructions and user manuals are included free with package.

MUSE COMPANY

347 North Charles Street
Baltimore, Maryland 21201
(301) 659-7212
Contact: Rhonda Uretzky-Miller, Dir. of Marketing

COMPANY INFORMATION
Type: Publisher, Producer

MUSE COMPANY, cont'd.

Hardware: Apple II, II+
Level: Elem, Sec, Post; Admin, Author
Approach: CMI, Drill, Game, Sim
Curriculum:
Computer Education/Literacy
Math - Arithmetic, Graphs, Problem Solving, Remedial Math
Distribution Policy: Software is available at computer stores nationwide and from MUSE directly. Damaged software is replaced for a fee of $10.00. No preview policy at this time.

NASCO
901 Janesville Avenue
Fort Atkinson, Wisconsin 53538
(414) 563-2446
(800) 558-9595
Contact: Gerald Spaanem, Director of Science/Math

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec; Lib, Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Guidance - Life Skills
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Vocational Education/Job Skills
Distribution Policy: Mail order; thirty-day return policy. Programs must be returned in resaleable condition.

NYSTROM
Div. of Carnation/Eye Gate Media
3333 Elson Avenue
Chicago, Illinois 60618
(312) 463-1144
Contact: Darrell Coppock, Editorial Director

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple IIe; TRS-80
Level: Elem, Sec
Approach: Drill, Sim, Tutor
Curriculum:
Guidance - Life Skills
Language Arts - Grammar, Reading Skills (Elementary), Vocabulary, Writing
Math - Arithmetic, Fractions, Graphs, Problem Solving
Science - Elementary Science, General Science
Social Studies - American History, Elementary Social Studies, Geography
Distribution Policy: Sales representatives directly contact LEAs; all products are guaranteed.

OPPORTUNITIES FOR LEARNING, INC.
8950 Lurline Avenue
Chatsworth, California 91311
(213) 341-2535
Contact: Kevin Radke, Manager, Computer Education Sales

COMPANY INFORMATION
Type: Distributor
Hardware: Apple II; Atari 400, 800; Commodore PET; TRS-80 Models I, III
Level: Elem, Sec, Post; Admin, Author, Lib,Teacher, Test
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music, Poetry, Visual Arts
Computer Education/Literacy - BASIC, Graphics Packages, PILOT, Systems Utilities
Foreign Languages - French, German, Italian, Spanish
Guidance - Career Education/Exploration, Life Skills
Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Auditory Skills, Numbers, Visual Skills
Science - Biology, Chemistry, Elementary Science, General Science, Physics
Social Studies - American History, Elementary Social Studies, Government/Law, World History
Vocational Education/Job Skills - Business and Office, Home Economics, Industrial Arts
Distribution Policy: Publication of selected microcomputer software, a catalog of over 500 software programs in all educational disciplines and covering grade levels K-twelve and college. Thirty-day satisfaction is guaranteed.

PHOENIX SOFTWARE, INC.
64 Lake Zurich Drive
Lake Zurich, Illinois 60047
(312) 438-4850
Contact: Judy Wessel, General Manager

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II - Disk; Atari 800-32k Disk
Level: Elem, Sec, Post
Approach: Game
Curriculum:
Language Arts - Reading Skills (Elementary)
Math - Problem Solving
Distribution Policy: Mail order; send check with order or MasterCard or Visa; orders shipped postpaid. Full warranties on disk; will be replaced if diskette fails to boot.

THE PSYCHOLOGICAL CORPORATION
757 Third Avenue
New York, New York 10017
(212) 888-3553
Contact: W. Michael Shaffer, Senior Project Director

COMPANY INFORMATION
Type: Publisher

THE PSYCHOLOGICAL CORPORATION, cont'd.

Hardware: Apple II, II+; TRS-80 Model III
Level: Elem; Test
Approach: Drill
Curriculum:
Language Arts - Reading Skills (Elementary)
Math - Arithmetic, Fractions, Geometry, Graphs, Problem Solving
Distribution Policy: Contact publisher or obtain catalog for distribution policies and ordering procedures.

PRODUCT(S)
Title: Prism Math 1*
Curriculum: Math
Level: Grades three-eight
Audience: Classroom Teacher or Aide
Approach: Drill
Hardware: Apple II, single disk drive; or TRS 80 Model III (48K), dual disk drive, and compatible printer.
Description: Math 1 is a criterion-referenced item bank tied to approximately 200 instructional objectives, grades three-eight. The item bank is built around the Los Angeles Math Program (LAMP) developed by the Los Angeles Unified School District. The item bank is divided into three major skill areas: Numeration, Operations and Applications, within three grade groupings: Grades 3-4, Grades 5-6, Grades 7-8.

The purpose of the package is to provide teachers with a systematic procedure for monitoring student progress throughout the school year. The organization of the item pool will permit teachers to use the items for drill and practice as well as "mastery" testing on individual objectives and on groups of related objectives. Math 1, as well as Math 2 and Reading 1 and 2, is a teacher-managed program. The teacher selects the appropriate grade level, objective or objectives, and the number of questions required, and the microcomputer randomly selects the items and prints them on a form suitable for duplication or in multiple copies as required.

The package will contain the required microcomputer software, users' manual, and student booklets. The booklets will contain the diagram, graphs, and other visual displays that cannot be reproduced by the printer but which are essential components of the item content.

Math 1 - developed by Los Angeles County School System as part of individualized math instruction program; used since 1975; complete mathematics curriculum for grades 3-8; over 3,000 items stored on microcomputer disks (including some word problems); a random problem generator that can generate limitless drills for all operations areas--addition, subtraction, multiplication, etc.; a 13-disk, 3-workbook program (workbooks for grades 3-4, 5-6, 7-8); a pretest-posttest routine that allows you to test objectives for the entire curriculum; all stored items reviewed by content experts; drill sheet routine allows you to generate drill sheets for one objective at a time--stored or randomly generated items; nearly 200 specific objectives; monitor student progress with the convenient classroom management program.

Title: Prism Reading 1*
Curriculum: Reading
Level: Grades three-five
Approach: Drill
Hardware: Apple II, single disk drive, or TRS 80 Model III (48K), dual disk drive, and compatible printer

THE PSYCHOLOGICAL CORPORATION, cont'd.

Description: Reading 1 is based on The Psychological Corporation's Skills Monitoring System items for Word Identification and Comprehension and has been expanded to include Study Skills. Reading 1 is a diagnostic-prescriptive approach to assessing the reading objectives typically taught in grades three-five, using criterion-referenced instruments. It is appropriate for reading centers, resource rooms, or traditional classrooms, and is suitable for use with any type of reading program. All of the features described for Math 1 apply as well to Reading 1. The package will contain the microcomputer software, users' manual and student booklets.

Reading 1--based on SMS items on Word Identification and Comprehension; includes Study Skills; criterion-referenced, multi-disk program to build reading and study skills; grade levels three, four and five, with 30 reading skills per level; workbook for each grade level; over 2,000 items stored on microcomputer disks; convenient classroom management program.

POWELL SYSTEMS, INC.

3839 Bee Caves Road, Suite 104
Austin, Texas 78746
(512) 327-4425
Contact: Vauna Powell, General Sales Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II+, IIe; KAYPRO II; TRS-80 Models II, III
Level: Admin, Lib, Teacher, Test
Distribution Policy: Powell Systems, Inc. (PSI) currently markets SIMSYS nationwide through mail orders. Users receive a diskette, user's manual, the right to receive technical update advisory letters, telephone implementation assistance for thirty days after purchase and a free training session at the PSI office in Austin, Texas. During the winter an annual SIMSYS user's conference is held in Austin, Texas.

PRODUCT(S)
Title: School Information Management System (SIMSYS)*
Curriculum: All
Audience: School Administrators, Teachers, State Education Agencies, University Personnel
Format: Diskette
Hardware: Apple II+, IIe; KAYPRO II; TRS-80 Model II, III
Description: This product is a computer program that can be used to store and retrieve frequently used information. It was designed to work with school-related information such as student and teacher records; inventories; comparability data; health records; tracking teacher inservice workshop requirements; materials cataloging; and school, district-wide, or internal personnel surveys. It will allow efficient and flexible storage and retrieval of information using datasets made up of cases and variables. Information is organized and made available at the touch of a finger.

PRENTICE-HALL, INC.

Sylvan Avenue
Englewood Cliffs, New Jersey 07632
(201) 592-3127
Contact: David Heinemann, Acquisitions Editor

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; Atari; TRS-80
Level: Sec, Post
Approach: Game, Sim, Tutor
Curriculum:
Arts - Visual Arts
Distribution Policy: Mail order; computer retailers; el-hi sales representatives, college sales representatives.

PRENTICE-HALL MEDIA

150 White Plains Road
Tarrytown, New York 10526
(914) 631-8300
(800) 431-2266
Contact: Ellen Howe, Product Manager

COMPANY INFORMATION
Type: Distributor
Hardware: Apple II, II+; TRS-80 Model III
Level: Sec; Teacher
Approach: Drill
Curriculum:
Guidance - Career Education/Exploration
Vocational Education/Job Skills
Distribution Policy: Mail order; sales representatives; thirty-day on approval policy.

PRODUCT(S)
Title: Computer Occupations*
Curriculum: Vocational/Career Exploration
Level: Grades six and up
Format: Floppy disks and student manual
Approach: Drill
Hardware: Apple II, II+; TRS-80 Model III
Description: Using this product, students learn basic computer operation. Activities introduce data entry, word processing, and programming at a very low level. A student manual, illustrated in cartoon style, guides students step-by-step through computer use, proper disk handling, and simple activities.

PROGRAM DESIGN, INC.

11 Idar Court
Greenwich, Connecticut 06830
(203) 661-8799
Contact: John Victor, President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, II+; Atari 400, 800; Commodore 64, PET; Texas Inst. 99/4A
Level: EC, Elem, Sec, Post
Approach: Drill, Game, Tutor
Curriculum:
Computer Education/Literacy - BASIC
Foreign Languages - French, Spanish
Language Arts - Reading Skills (Elementary), Spelling, Vocabulary

PROGRAM DESIGN, INC., cont'd.

Math - Problem Solving
Readiness - Numbers, Visual Skills
Distribution Policy: Guarantee all software. Replace any defective items; return authorization required. Sell through dealers and distributors and school catalogs. Sales representatives in Ohio, Kentucky, Pennsylvania, Illinois, Wisconsin.

PUBLISHERS TEST SERVICE

2500 Garden Road
Monterey, California 93940
(408) 649-8100

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple II 48K
Level: Test
Distribution Policy: Lease diskettes.

PRODUCT(S)
Title: Basic Inventory of Natural Language (BINL-I)*
Curriculum: Language sample scoring
Level: Grades K-twelve
Audience: Bilingual or Exceptional Students
Format: Test kit (scoring) and diskette
Hardware: Apple II
Description: The BINL-I program has been used to score over 400,000 student tests in the past five years and is the first computerized language proficiency scoring program for rapid scoring of student language samples. It is available for use on the IBM System 34 for large school system users and on the Apple II microcomputer for use in schools and smaller districts. The reports from this program include individual scores, class and grade level reporting, graphs of student placement, and classification of students into four categories: non, limited, functional and proficient.

QUALITY EDUCATIONAL DESIGNS

2924 NE Stanton Street
Portland, Oregon 97212
(503) 287-8137
Contact: J. Benton, Proprietor

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II, II+; Commodore 4000 series; TRS-80 Models I, III
Level: Elem, Sec; Teacher
Approach: Drill, Game, Tutor
Curriculum:
Math - Arithmetic, Fractions, Logical Thinking, Problem Solving
Distribution Policy: Sales representatives in some areas, catalogs and direct mail elsewhere. Programs guaranteed thirty days. Copyable and backup for original machine permitted. Previews only under exceptional circumstances.

RADIO SHACK EDUCATION DIVISION
1400 One Tandy Center
Fort Worth, Texas 76102
(817) 390-3832
(800) 433-5682
Contact: Bill Gattis, Director

COMPANY INFORMATION
Type: Publisher
Hardware: TRS-80 Model III, Color Computer
Level: Elem, Sec; Admin, Author
Approach: Drill, Tutor
Curriculum:
Computer Education/Literacy - BASIC, LOGO, PILOT
Language Arts - Reading Skills (Elementary), Writing
Math - Arithmetic, Fractions, Geometry, Graphs
Science - Chemistry, Physics
Social Studies - American History
Distribution Policy: All software is sold through local retail stores or computer centers. Local demonstration of our courseware can be arranged by one of twenty-seven regional educational coordinators.

RANDOM HOUSE, INC.
400 Hahn Road
Westminster, Maryland 21157
(800) 638-6460
Contact: Customer Service Representative

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II; Atari; TRS-80 Models I, III
Level: EC, Elem, Sec; Admin, Teacher, Test
Approach: CMI, Drill, Game, Tutor
Curriculum:
Guidance - Career Education/Exploration
Language Arts - Grammar, Reading Skills (Elementary), Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills
Distribution Policy: Mail order; sales representatives; thirty-day return in original condition.

READERS DIGEST SERVICES, INC.
Microcomputer Software Division
Pleasantville, New York 10570
(914) 769-7000
Contact: Ellen Smith, Instructional Design Manager

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II, II+; TRS-80 Model III
Level: EC, Elem, Sec; Admin
Approach: Drill, Game, Tutor
Curriculum:
Language Arts - Vocabulary
Math - Arithmetic, Geometry, Problem Solving, Remedial Math
Readiness
Distribution Policy: Mail order; sales representatives; ninety-day limited warranty; returns within thirty days in original condition.

THE READING LABORATORY, INC.
P.O. Box 28
Georgetown, Connecticut 06829
(203) 544-9233
Contact: M. Schaill, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; IBM; TRS-80
Level: Elem, Sec, Post
Approach: Drill, Tutor
Curriculum:
Language Arts - Library Skills, Remedial Reading Skills, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Geometry, Graphs, Remedial Math
Science
Distribution Policy: Mostly direct mail, some dealers. Materials generally available for preview. Replace defective materials.

RESTON PUBLISHING COMPANY
11480 Sunset Hills Road
Reston, Virginia 22090
(703) 437-8900
(800) 336-0338
Contact: Susan Boling, Product Manager

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II+; Atari 400, 800; Commodore VIC-20; IBM/PC; Sinclair; TRS-80 Models II, III
Level: Elem, Sec, Post
Approach: Drill, Game, Sim, Tutor
Curriculum:
Arts - Visual Arts
Computer Education/Literacy - BASIC, Systems Utilities
Math - Arithmetic
Vocational Education/Job Skills - Business and Office
Distribution Policy: Distribute to computer stores and bookstores through house representatives. Distribute to schools by representatives as well as through wholesalers. Previews allowed to schools and retailers on a case-by-case basis. Mail order sales.

SCHOLASTIC, INC.
50 West 44th Street
New York, New York 10036
(212) 944-7700
Contact: Don Molner, Director, Microcomputer Catalog and AV

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Atari; Commodore; Texas Inst.; TRS-80
Level: EC, Elem, Sec, Post; Author, Teacher
Handicap: PH, SL
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Arts - Music, Poetry, Visual Arts
Computer Education/Literacy - BASIC, LOGO, PILOT

SCHOLASTIC, INC., cont'd.

Foreign Languages - French, Spanish
Language Arts - Language Development, Library Skills, Reading Skills (Elementary), Spelling, Vocabulary
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking
Readiness - Alphabets, Numbers
Science - Biology, Elementary Science
Social Studies - American History, Elementary Social Studies, Geography
Vocational Education/Job Skills - Business and Office, Typewriting

Distribution Policy: Mail order and sales representatives. All software guaranteed to be useful or may be returned within thirty days of purchase.

PRODUCT(S)
Title: The Micro-communicator**
Curriculum: Special Education for Handicapped
Level: Grades K-six; seven-adult
Audience: K-adult
Approach: Communication Aid
Hardware: Apple II+ 48K
Description: Individuals who have difficulty speaking or writing can now communicate with ease, speed, and a minimum of frustration. Users may draw upon prepared words and sentences, create their own sentences from common words sorted in the computer, or combine words and sentences. Thus, by pressing one key, the handicapped person can express an entire thought. These unique programs help handicapped individuals reach out and they also help to reduce the physical and emotional strains many handicapped persons experience in trying to communicate. They are helpful in mainstreaming programs, too.

SCHOOL AND HOME COURSEWARE, INC.

1341 Bulldog Lane, Suite CE
Fresno, California 93710
(209) 227-4341
Contact: Bill Botzong, Vice President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Atari; Commodore; TRS-80
Level: EC, Elem, Sec, Post; Admin, Lib, Teacher
Approach: Drill, Game, Tutor, Sim
Curriculum:
Foreign Languages - French, German, Spanish
Language Arts - English, Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Algebra, Arithmetic, Fractions, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills
Science - Elementary Science, General Science, Physics
Social Studies - American History, Elementary Social Studies
Vocational Education/Job Skills - Business and Office, Home Economics, Industrial Arts, Typewriting

Distribution Policy: Mail order, distributors, schools, homes. Preview with purchase order. Credit for returns. Money back if not satisfied. Disks not copy-locked.

SCHOOL AND HOME COURSEWARE, INC., cont'd.

PRODUCT(S)
Title: Alphabetize*
Curriculum: Business, English, Library Science, Reading
Level: Grades one and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The student chooses to alphabetize between three and eight words. A random selection of the chosen number of words (from a teacher-supplied vocabulary) is displayed on the screen. The student interchanges pairs of words until the list is correctly alphabetized. A score is kept that represents elapsed time to complete the task.

Title: Approximate Measurement 1*
Curriculum: Arithmetic, Business Math, Industrial Arts, Remedial Math, Science, Typing
Level: Grades nine-fourteen
Approach: Tutor
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: Approximate Measurement 1 is the first in a series of programs that attempts to clarify the concepts of precision, accuracy, greatest possible error, smallest unit of measure, error of measurement, significant digits, and relative error.

Title: Approximate Measurement 2*
Curriculum: Arithmetic, Business Math, Industrial Arts, Remedial Math, Science, Typing
Level: Grades nine-fourteen
Approach: Tutor
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: Given a ruler marked in inches, the student will create the longest and shortest segments that may be reported as two inches. The student repeats the exercise for a ruler marked in half-inches and again for a ruler marked in quarter-inches, observing the possible error that exists in reporting the measurement.

Title: Coins*
Curriculum: Arithmetic
Level: Grades one-eight
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: This program teaches how to count change. The teacher selects one of three levels of play. Sample operations include which coins are needed to make an amount and what change should be received. Scoring is based on accuracy and time.

Title: Comma*
Curriculum: English, Reading, Special Education
Level: Grades one and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: This program displays an English sentence in which the student is asked to place commas correctly. Score is based on speed and accuracy.

Title: Concentration*
Curriculum: All
Level: Grades two and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: For each move, the student uncovers pairs of windows in a 15-window game board. The object of the game is to uncover matching pairs at one move. Item pairs are selected by the teacher. Some sample pairs might be Kennedy/President; too/two;

SCHOOL AND HOME COURSEWARE, INC., cont'd.

uno/one; 3-5/8; 7X12/84; light/dark; Boyle/PV = K, etc.

Title: Counting Calories*
Curriculum: Advanced Cooking, Diet Planning, Home Economics, Nutrition
Level: Grades four and up
Approach: Sim
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: A problem-solving aid. The user enters a dessert recipe and number of portions; the program computes the number of calories per portion. Students may change ingredients to see how the calories per portion are affected.

Title: Division Drill*
Curriculum: Arithmetic, Remedial Mathematics
Level: Grades five and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: There are three parts to this program: in the pretest module, a number of problems selected by the teacher (default is 25) are presented. The student must respond correctly in six seconds to earn credit. If the student scores less than 80 percent, the program continues to the drill module.

The drill module is the heart of the program. It adjusts to the student's skill level so that each user can enjoy success while working to improve weak skills. There are twenty-five levels of drill. The student may choose to stop at any point, leave the program, or take a posttest.

The posttest module is similar to the pretest. At the end of the posttest, however, scoreboards are shown to the student so he/she can compare pretest drill and posttest scores and thus observe his/her own progress.

Title: Foto-Flash*
Curriculum: Business, Math, Reading
Level: Grades one and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: This is a drill and practice game designed to improve memory and recall. The program flashes a combination of either letters, numbers, or words. From memory, the user must type the previously displayed characters in forward (or reverse) sequence. Score is based on correctness and speed of response. Recognition time allowed for the displayed character is reduced as students respond correctly, thus challenging better students. More time is allowed for recognition where students are having difficulty.

Title: Language Practice*
Curriculum: English, Foreign Language, Reading
Level: Grades three-fourteen
Approach: Drill, Game
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The computer flashes a word. The student must type its synonym or antonym in English, French, Spanish, etc., depending on the information easily stored by the teacher. Student score in this drill game is based on speed and accuracy. At the end of each game, a list of missed words appears on the screen for the student to copy onto his/her worksheet.

Title: Library Skills*
Curriculum: English, Library
Level: Grades three and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80

SCHOOL AND HOME COURSEWARE, INC., cont'd.

Description: This is a two-part program. The first part includes drill and practice on the major number classifications of the Dewey Decimal System. The second part provides a drill that teaches the correct way to read entries in the card catalog.

Title: Reading Level*
Curriculum: English, History, Reading, Social Studies, Special Education
Level: All
Audience: Teachers, Reading Specialists
Approach: Utility
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: A reading or writing selection of about 100 words is typed into the computer. The computer analyzes the approximate grade level based on Dr. J. R. Bormuth's Readability Formula, then displays the words used (a) in alphabetical order, (b) in order by word length, (c) in order by number of syllables.

Title: Reverse*
Curriculum: Business (filing), Foreign Language, Reading
Level: Grades one and up
Approach: Problem solving
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The user chooses the number of letters to unscramble (2 to 18). The computer presents a random selection of letters to the user. By reversing leftmost group of letters, the aim is to get all the letters in alphabetical sequence.

Title: Rhyming*
Curriculum: English, Reading
Level: Grades one-six
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: Rhyming is a drill for younger students who must decide if two words rhyme. Score is based on time and accuracy.

Title: Scramble*
Curriculum: Phonics, Vocabulary
Level: Elementary and up
Audience: Teachers
Approach: Drill, Utility
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: Scramble gives the teacher a rapid way of scrambling the letters of words for vocabulary and phonics drill in any language and in any subject.

Title: Smallest Unit of Measure*
Curriculum: Arithmetic, Business Math, Industrial Arts, Remedial Math, Science
Level: Grades four and up
Approach: Tutor
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: This tutorial and drill helps students to recognize the most likely unit of measure on a measuring tool used to make a measurement of 12-1/4 feet, 3 hours 13 minutes, 3.4 gallons, etc.

Title: Spell-N-Time*
Curriculum: Spelling
Level: Elementary and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The computer flashes a whole word; the student must type the correctly spelled word. A second chance is given for incorrect responses, but this time the syllables of the word are flashed in sequence (if more than one syllable).

SCHOOL AND HOME COURSEWARE, INC., cont'd.

Presentation time of words varies depending upon the ability of the user. At the end of each game, a list of misspelled words will appear on the screen for the student to write on his/her worksheet.

Title: Syllables*
Curriculum: English, Reading, Typing
Level: Grades one and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The student is shown a word and is asked to separate the word into syllables by moving a marker beneath the word. Spaces are introduced between letters in response to student actions. The student plays against his/her reported time.

Title: Typing*
Curriculum: Business, English, Language Arts, Reading
Level: Grades two and up
Approach: Drill
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: This program provides drill on the typewriter keyboard for all ages. The keys are displayed on the screen to keep the learner from looking at the keyboard itself. Based on speed and accuracy, letters of the display disappear one by one. If the student works too slowly or presses the wrong keys, the letters reappear. The goal is to make all of the letters disappear.

Title: Typing Fractions*
Curriculum: Arithmetic, Remedial Math, Typing
Level: Grades nine-fourteen
Approach: Tutor
Hardware: Apple II; Atari; Commodore PET; TRS-80
Description: The student will correctly use typewriter notation to type a whole number, a fraction between zero and one, a decimal number between zero and one, and a decimal number greater than one but not an integer.

SCHOOL SPECIALTY SUPPLY, INC.

P.O. Box 1327
Salina, Kansas 67401
(913) 827-0451
(800) 255-0004
Contact: Janet Wendland, A-V Director

COMPANY INFORMATION
Type: Distributor
Hardware: Apple; Commodore; TRS-80
Level: Elem, Sec; Author, Test
Approach: Drill, Game, Tutor
Curriculum:
- Computer Education/Literacy - BASIC
- Guidance - Career Education/Exploration, Health and Safety, Life Skills
- Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
- Math - Algebra, Arithmetic, Fractions, Remedial Math
- Readiness - Alphabets, Numbers
- Science - Elementary Science
- Vocational Education/Job Skills

Distribution Policy: No preview or approval order requests accepted; defective disks/cassettes may be

SCHOOL SPECIALTY SUPPLY, INC., cont'd.

returned for replacement only with written return authorization; defects must be reported within thirty days of receipt of material; customer will be charged for replacement if disk or cassette was tampered with or if materials were used on wrong equipment; no warranties with respect to the courseware.

SCIENCE RESEARCH ASSOCIATES (SRA)

155 N. Wacker Drive
Chicago, Illinois 60606
(312) 984-2053

Information was not available at time of publication.

SCITRONICS, INC.

523 S. Clewell Street
P. O. Box 5344
Bethlehem, Pennsylvania 18015
(215) 868-7220

Company markets an adaptive communication system that allows the verbally-handicapped to communicate through spoken words.
Additional information was not available at time of publication.

SCOTT, FORESMAN AND COMPANY

Electronic Publishing Division
1900 E. Lake Avenue
Glenview, Illinois 60025
(312) 729-3000

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Atari; Texas Inst.
Level: EC, Elem, Sec; Admin
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
- Computer Education/Literacy - BASIC
- Foreign Languages
- Language Arts - Grammar, Language Development, Reading Skills (Elementary)
- Math - Arithmetic, Problem Solving
- Readiness - Visual Skills
- Science - Chemistry

Distribution Policy: Electronic Publishing software distributed through an authorized dealer network, supported by training, inservice, ninety-day warranty, technical expertise, and hardware sales. A systems approach.

PRODUCT(S)
Title: Language Development Series**
Curriculum: Language Development
Level: Early Childhood, Primary, Beginning Reading
Format: Program diskette, pupil book, user's manual and four card games
Approach: Drill
Hardware: Apple II, IIe

SCOTT, FORESMAN AND COMPANY, cont'd.

Description: The materials in these lessons relate to the child's everyday experiences and are designed to introduce the language associated with familiar objects and activities. These books progress from simple to more complex illustrations in order that the child can quickly learn to identify the object or actions shown. Each word is then repeated through the motivating game formats to reinforce the initial teaching. The software is designed to further reinforce the language introduced in the books.

SCREENING AND TRACKING CORPORATION OF AMERICA

20 Kent Street - 2nd floor
Brookline, Massachusetts 02146
(617) 738-5600
Contact: Harold Kunzelmann, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Atari; Commodore; CP/M Based Machines
Level: Admin, IEP, Teacher, Test
Distribution Policy: Demonstration kits available for thirty-day use; presentations and demonstrations may be scheduled on-site; arrangements may be made for observing the systems at locations.

PRODUCT(S)
Title: Micro-Eval System**
Audience: Support Staff and Teachers conducting assessments, diagnosis and/or evaluations
Format: Menu Driven
Hardware: Microcomputer, 48K, 2 disk drives and printer
Description: All evaluation personnel (i.e., social workers, psychologists, etc.) are given a data set from the referral information which has been or will be gathered along with a set of forms for coding the tests of their choosing. The evaluator records the test scores, the significance of the score by his/her criteria (or the team's criteria) and to what end the results are significant (placement, instruction, or self). The evaluator records the current performance level of the student in terms of what the student can perform. The evaluator records the future, desired performance level in terms of specific objectives. The evaluation report generated by the program takes into account test results, test validity, current performance levels, teaching approaches and methodologies, and suggested specific student objectives. These reports are cost-saving and time-saving for clerical staff.

Title: Micro-IEP System**
Audience: IEP Team Meeting Chairperson
Format: Menu Driven
Hardware: Microcomputer, 48K, 2 disk drives and printer
Description: A note-taking form has been developed to allow complete and accurate data to be gathered at the IEP team meeting by the chairperson of the meeting. The coded data are entered in the micro with a self-correcting menu-driven program. The program stores statistical and service delivery information and prints a complete IEP in the format desired by the user. Eighteen hundred objectives are provided in a starter set that may be printed by the user at will. The objectives may be added to when

SCREENING AND TRACKING CORPORATION OF AMERICA, cont'd.

necessary, edited or deleted. The objectives may be written 2.2 million different ways, shortening search time and providing more time for tailoring the objectives to the needs of each student.

Title: Micro-Refer System**
Audience: School Building Staff and Validation Team
Format: Menu Driven
Hardware: Microcomputer, 48K, 2 disk drives and printer
Description: A referral form is provided to school building staff to enable them to list such information as pre-referral activities according to effort and success. Reasons for the referral are tied to the long-term objectives in the Objectives Directory (used for the evaluation and the IEP). All necessary data are included to allow the referral to be validated. Once the referral is validated, the information is saved and printed for termination or for the evaluation to begin. If evaluation is called for, then the gathered data are printed for the evaluator(s). Reports are generated from the referral database showing the number of days to date it has taken to process the referral at each stage. The reports serve as reminders to each staff member of how long it is taking to process the referral, which schools are referring which students, and which students are actually enrolled in special education because of the referral process.

SFA - JAMES STANFIELD FILM ASSOCIATES

P.O. Box 1983
Santa Monica, California 90406
(213) 395-7466
(800) 421-6534
Contact: Jim Stanfield, Owner

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Commodore; TRS-80
Level: EC, Elem, Sec, Post; Author, Teacher
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Guidance - Career Education/Exploration, Health and Safety, Life Skills
Language Arts - Remedial Reading Skills, Vocabulary
Math - Logical Thinking, Problem Solving, Remedial Math
Readiness - Visual Skills
Distribution Policy: Mail order with national and international sales representatives. All products guaranteed 100 percent.

SINGER CAREER SYSTEMS

80 Commerce Drive
Rochester, New York 14623
(716) 334-8080
(800) 828-7876
Contact: Don Berman, Manager of Research and Dev.

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple II, IIe, II+; TRS-80 Models III, IV

SINGER CAREER SYSTEMS, cont'd.

Level: Test, Vocational Evaluation
Approach: Sim
Curriculum:
Guidance - Career Education/Exploration
Vocational Education/Job Skills - Business and Office
Distribution Policy: Mail order, sales representatives, filmstrip preview policy, ninety-day warranty, returns within thirty days.

PRODUCT(S)
Title: Vocational Evaluation System by Singer - Station 31: Information Processing**
Curriculum: Job Simulation of entry-level computer work
Level: Written at third grade reading level
Audience: Handicapped, Disadvantaged
Format: Filmstrip/cassette and microcomputer
Approach: Sim
Hardware: Apple II, II+, IIe; TRS-80, Model III or IV (computers can be purchased with product)
Description: Station 31: Information Processing was designed to assess the interests, aptitudes, and abilities of handicapped and disadvantaged youth for the computer field of work. Participants are instructed through a filmstrip/cassette instructional format that leads them through a series of entry-level tasks on a microcomputer. The microcomputer prompts the participants to respond and scores and times their responses.

SLED SOFTWARE

P. O. Box 16322
Minneapolis, Minnesota 55416
(612) 926-5820
Contact: Helen Beaubaire, President

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Commodore PET and 64
Level: Elem, Sec
Approach: Drill, Tutor
Curriculum:
Language Arts - English, Reading Skills (Elementary), Spelling
Distribution Policy: Direct mail and through dealers. Demo disks are available for $10.00, but this fee will be reimbursed if software is purchased. Previews for schools can be arranged. Software is guaranteed to run. Fisher Scientific Company also distributes SLED software.

PRODUCT(S)
Title: The Complete Spelling Rule**
Curriculum: English, Language Arts, Reading, Spelling
Level: Grades four through adult
Handicap: LD, SL
Format: Disk or cassette
Approach: Drill, Tutor
Hardware: Apple II+; Commodore PET or 64
Description: This spelling program includes individualized, computer-based spelling instructional activities for students with specific language learning disabilities. Appropriate for users from the fourth grade on, the package will remedy spelling deficiencies of slow learners, average students, the gifted and talented, adults in need of a refresher course, and students of English as a second language.

SLED SOFTWARE, cont'd.

This comprehensive program covers spelling rules, exceptions, and generalizations and provides repetitive exercises, reinforcement and motivation to the learner. Drill and practice needed by the language-learning disabled are available through the use of tapes or disks.

SLIWA ENTERPRISES

Software Department
P.O. Box 7266
Hampton, Virginia 23666
(804) 826-3777
Contact: Kim Anderson, Business Manager

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II
Level: Sec, Post; Lib, Test, Practice for SATs, PSATs, and GREs
Approach: Drill
Curriculum:
Computer Education/Literacy - Graphics Packages
Foreign Languages - French, German, Spanish
Language Arts - Grammar, Spelling, Vocabulary, Writing
Math - Geometry, Graphs
Distribution Policy: Mail order, retail sales, thirty-day return policy, no preview, $10.00 demo disk.

SOCIETY FOR VISUAL EDUCATION, INC.

1345 Diversey Parkway
Chicago, Illinois 60614
(312) 525-1500
(800) 621-1900
Contact: Louise Barlow

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Atari; Commodore; TRS-80
Level: Elem, Sec; Admin, Author, Lib, Teacher
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Computer Education/Literacy
Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Spelling, Vocabulary
Math - Algebra, Arithmetic, Fractions, Graphs, Remedial Math
Readiness - Numbers, Visual Skills
Science - Chemistry, Physics
Social Studies - American History
Distribution Policy: Orders accepted by mail, by phone, or through sales representatives; a fifteen-day previewing period is available to qualified purchasers; SVE-produced software totally guaranteed for up to six months after purchase; distributed software guaranteed for six months against manufacturing defects.

SOFTWARE RESEARCH CORPORATION

Discovery Park - University of Victoria
Box 1700
Victoria, British Columbia, Canada V8W2YZ
(604) 477-7246
Contact: Anita Copeland, Marketing Representative

COMPANY INFORMATION

Type: Publisher, Distributor, Producer
Hardware: Apple II, II+, IIe
Level: EC, Elem, Sec; Admin
Hardware: HI, PH, VH, (special software for teaching speech to hearing impaired children)
Approach: CMI, Game, Sim
Curriculum:
Arts - Visual Arts
Computer Education/Literacy - Graphics Packages
Guidance - Career Education/Exploration
Language Arts - Writing
Distribution Policy: Software Research Corp. accepts orders direct, by mail with a pre-payment policy on orders under $100.00; thirty-day return if not satisfied.

PRODUCT(S)

Title: Little Rembrandt**
Curriculum: Art, Visual Tracking
Level: Grades one and up
Audience: Art or Elementary Teachers
Format: Two diskettes
Approach: Sim, Graphics tool
Hardware: Apple II, II+, IIe, Joystick
Description: This product is a drawing tool that utilizes the joystick, enabling students to develop improved eye-hand coordination, fine motor skills and ocular tracking. Lines, shapes, boxes, and blocks of color can be created easily. Commands are simple and drawings can be printed using a graphics printer. The product is useful in almost any special education setting.

Title: Little Wordsworth*
Curriculum: Writing, Communication
Level: Any
Format: Diskette and peripheral
Approach: Word Processor
Hardware: Apple II+, IIe
Description: For children with motor problems or physical deficiencies that interfere with normal pen and paper writing skills, this product is an easy-to-use word processor with a small, medium, or large print capability (potentially important for visual impairments). It includes upper and lower case, deletion and other simple word processing functions. It may also be used as a communication aid for vocally impaired children.

Title: Visible Speech Aid*
Curriculum: Speech Therapy
Level: Preschool through Junior secondary
Audience: Teachers of deaf, Speech therapists
Handicap: HI, SL
Format: Diskette and interface card with microphone
Approach: CMI, Game
Hardware: Apple II+, IIe
Description: This product is an Apple II microcomputer-based system for assisting teachers of severely to profoundly deaf children in the oral method of speech training. Graphic displays of pitch, rhythm, and amplitude in two frequency bands are traced on the screen in response to speech signals picked up by a microphone. The traces appear on the screen in real time, providing visual feedback to the child to reinforce his or her speech. Target patterns produced

by the teacher or recalled from the computer's storage appear on the upper sector of the screen, to be compared with the child's sample which appears immediately below it. Samples of the child's utterances, as represented by the parameters, may be saved on computer diskettes for later evaluation. A computer game, called the "Duck Walk," is included and has been used successfully for encouraging the child to practice sustained phonation and pitch control. Speech training in phonation, intonation, emphatic stress, rhythm, and selected aspects of the production of consonants is possible using this system.

The system consists of: (1) a peripheral interface card for signal acquisition and preprocessing (this includes a microphone, and is installed into the Apple II's bus); (2) software for signal processing and graphics display, including the Visible Speech program and the Duck Walk program; (3) an extensive teacher's manual that provides instructions in the use of the system, in the interpretation of parameters, and in the development of speech training lessons.

SOUTHERN MICROSYSTEMS FOR EDUCATORS

P. O. Box 1981
Burlington, North Carolina 27215
(919) 226-7610 (collect calls accepted)
Contact: Richard Swank, President

COMPANY INFORMATION

Type: Publisher
Hardware: Apple II, II+, III; CP/M Based Machines; TRS-80 Models II, III, and 16
Level: Admin, IEP, Test
Distribution Policy: Direct sales; sales representatives, distributors; ten-day preview if request is on school letterhead with authorized signature; guaranteed no-cost replacement of disks with bugs; replacement cost of user-damaged disks is $25.00 each.

PRODUCT(S)

Title: P.I.A.T. Error Analysis Report (PEAR)**
Curriculum: Test Interpretation
Audience: Management Information Systems Personnel
Description: PEAR was developed to assist the psychologist, classroom teacher, resource coordinating teacher, and other educators in gaining diagnostic and instructional information from the results of the Peabody Individual Achievement Test (Dunn, 1975). Diagnostic and instructional planning information is provided on the user-based five subtest areas of the PIAT-mathematics, reading recognition, reading comprehension, spelling, and general information. PEAR will provide a report with: student background information; diagnostic statements indicating level of performance across specific skill classifications in each of the five achievement areas measured on the PIAT; and a set of annual goals and short-term instructional objectives based on the student's pattern of errors on the PIAT.

Title: Unistar I**
Curriculum: IEP Development
Audience: Management Information Systems Personnel
Description: Unistar I is a microcomputer-assisted approach to developing IEPs and is designed for

SOUTHERN MICROSYSTEMS FOR EDUCATORS, cont'd.

children with learning disabilities and those who are high risk but not labelled. The program provides a printed, pre-IEP for use in school-based committee meetings from the elementary through the junior high school levels. Unistar I meets the requirements of P.L. 94-142, includes almost 700 goals and objectives, allows for achievement and ability level data, and can be individualized and customized to meet student and school system needs.

Title: WAIS-R Computer Report**
Curriculum: Test Interpretation
Audience: Management Information Systems Personnel
Description: WAIS-R is designed to facilitate interpretations--levels of factors, comparisons with achievement, strengths and weaknesses, checking the signs for brain injury, schizophrenia, emotional disturbance, behavior disorder and recommendations--of the Wechsler Adult Intelligence Scale-Revised. The WAIS-R does many of the routine calculations and comparisons of the scaled scores, thereby saving the psychologist considerable time. Objectively written and based on fact, the report nevertheless allows for humanization and individualization, as well as flexibility of choice among achievement tests that give grade equivalent scores. In addition, WAIS-R will provide clinical, educational, and vocational recommendations as desired.

Title: WISC-R Computer Report**
Curriculum: Test Interpretation
Audience: Management Information Systems Personnel
Description: WISC-R provides the psychologist, teacher, and other educational personnel with a printed psychological report based on a student's performance on the WISC-R. Designed to facilitate the preparation of a final report, WISC-R also offers specific remediation and material suggestions to help teachers meet students' needs. It is objective and based on fact, yet humanistic and capable of being individualized. WISC-R provides flexibility in choosing an achievement test and lists theoretical achievement level at age sixteen for both verbal and performance areas.

SOUTHWEST EDPSYCH SERVICES, INC.

P. O. Box 1870
Phoenix, Arizona 85001
(602) 253-6528
Contact: Marley Watkins, President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II
Level: EC, Elem, Grading, Sec, Post; Teacher
Handicap: ED, LD, SPH
Approach: Drill, Game, Sim
Curriculum:
Computer Education/Literacy - Graphics Packages
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Fractions, Graphs, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills

SOUTHWEST EDPSYCH SERVICES, INC., cont'd.

Distribution Policy: Sold via mail order, sales representatives, and third-party distributors. Thirty-day no-charge replacement. One-year replacement warranty at minimal price.

PRODUCT(S)
Title: The Math Machine**
Curriculum: Math
Level: Preschool-grade six
Approach: Drill
Hardware: Apple II, 48K, 1 disk drive, AppleSoft in ROM
Description: This product, in use in special education classrooms for three years, has proven useful with learning disabled, seriously emotionally handicapped, and severely handicapped students (in a rehabilitation facility). The Math Machine's features are: (1) covers math skills typically taught in kindergarten through sixth grade classrooms, (2) is beneficial for gifted preschool children and older students who require remedial assistance, (3) supplements classroom instruction to improve math computation skills, (4) comprehensive manual guides parents and teachers to quick use, (5) step-by-step approach individualizes lessons to meet each child's needs, (6) innovative reinforcement system motivates children to succeed, (7) record-keeping system allows convenient progress reviews, (8) immediate feedback helps children learn without errors, (9) extensive use of color graphics and sound helps make learning fun, (10) reinforcement games improve eye-hand coordination, (11) includes main and backup diskette in protective holder, 35-page manual, student record forms and 1-year replacement warranty, (12) 19 skill levels in pre-math, 23 skill levels in subtraction, 23 skill levels in division, 29 skill levels in addition, 17 skill levels in multiplication.

Title: Math Wars*
Curriculum: Math
Level: Grades one-ten
Approach: Game
Hardware: Apple II 48K, 1 disk drive, AppleSoft in ROM
Description: Math Wars is a multiple-player arcade game for children and adults. Fast, high resolution color animation is combined with sound educational content to produce a truly educational game. Computations ranging from simple whole number addition to more complicated fractions and decimals are practiced in a format guaranteed to maintain motivation and interest while concurrently improving math skills.

Title: The Reading Machine*
Curriculum: Reading
Level: Preschool-grade three
Approach: Drill
Hardware: Apple II 48K, 1 disk drive, AppleSoft in ROM
Description: The Reading Machine: (1) covers reading skills typically taught in kindergarten through third grade classrooms, (2) also beneficial for gifted preschool children and older students who require remedial assistance, (3) supplements classroom instruction to improve basic reading skills, (4) phonetic approach corresponds to elementary reading series used throughout the country, (5) comprehensive manual guides parents and teachers to quick, effective reading instruction, can be used by itself to teach reading, (6) over 28 skill levels sample the basic reading domain (upper case letter matching, lower case letter matching, letter sequencing, beginning consonants,

SOUTHWEST EDPSYCH SERVICES, INC., cont'd.

ending consonants, short vowels, consonant blends, long vowels, consonant diagraphs, vocabulary), (7) record-keeping system permits convenient progress reviews, (8) immediate evaluative feedback helps children learn without error, (9) comprehensive management system provides parents and teachers with ability to direct lesson flow, (10) high resolution graphic pictures match each word with a corresponding visual image, (11) large size upper and lower case letters used throughout to improve readability, (12) step-by-step approach individualizes lessons to meet each child's unique needs, (13) innovative reinforcement system under parent and teacher control motivates children to succeed, (14) includes main and backup diskettes, student record forms, comprehensive manual and one-year replacement warranty.

Title: The Spelling Machine**
Curriculum: Spelling
Level: Grades one-twelve
Approach: Drill
Hardware: Apple II 48K, 1 disk drive, AppleSoft in ROM
Description: The Spelling Machine, used for three years in special education classrooms with learning disabled, seriously emotionally handicapped and severely handicapped students:
(1) contains 700 words and sentences that encompass approximately 85 percent of words most frequently used by elementary school children, (2) also beneficial for gifted preschool children and older students who require remedial assistance, (3) supplements classroom instruction to improve spelling skills, (4) comprehensive manual guides parents and teachers to quick use, (5) step-by-step approach individualizes lessons to meet each child's needs, (6) innovative reinforcement system motivates children to succeed, (7) insertion of user-selected words is easy with powerful text editing system, (8) record-keeping system permits convenient progress reviews and listing of each child's misspelled words, (9) management system allows students to progress at their own rate, (10) immediate feedback helps children learn without errors, (11) extensive use of color graphics and sound makes learning fun, (12) reinforcement games improve eye-hand coordination, (13) includes main and backup copies in protective holder, 29-page manual and one-year replacement warranty.

Title: Spelling Sorcery*
Curriculum: Spelling
Level: Grades one-adult
Approach: Game
Hardware: Apple II 48K, 1 disk drive, AppleSoft in ROM
Description: This product includes three color-graphic programs based on spelling instruction for children and adults: (1) Quick Spell-capture color-graphic letters as they flash onto the screen, involves spelling and eye-hand coordination speed; (2) Hide N' Spell-(remember the location of hidden high-resolution graphic letters) exercises spelling and visual memory; (3) Letter Blaster-(shoot high-resolution letters with the laser gun as they march across the screen) employs spelling and visual-motor coordination, (4) insertion of user-selected words is easy with the powerful text-editing system; difficulty level of the games and words is controlled by the user.

SPINNAKER SOFTWARE CORPORATION

215 First Street
Cambridge, Massachusetts 02142
(617) 868-4700
Contact: William Bowman, Chairman

COMPANY INFORMATION

Type: Publisher
Hardware: Apple II+; Atari 48K; Commodore 64; IBM/PC, 64K with colorcard
Level: EC, Elem, Sec
Approach: CMI, Drill, Game
Curriculum:
Computer Education/Literacy - Graphics Packages
Language Arts - Grammar, Literature/Stories, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary, Writing
Math - Arithmetic, Logical Thinking
Readiness - Alphabets, Numbers, Visual Skills
Distribution Policy: Spinnaker programs are marketed by retailers. These retailers are given advertising support through extensive national advertising and four-color brochures made available to them. If a Spinnaker disk fails to boot during the first thirty days after purchase, it can be returned to the dealer from whom it was purchased for a free replacement. If a disk fails to boot after the first thirty days, and it is physically damaged, it can be replaced for $5.00.

PRODUCT(S)

Title: Facemaker$_{TM}$*
Curriculum: Computer Literacy, Memory and Concentration Improvement
Level: Four-eight years old
Approach: Game
Hardware: Apple II+; Atari 48K; IBM/PC 64K, colorcard; Commodore 64, disk drive, color TV or monitor
Description: Program steps are: (1) draw face, (2) animate face, (3) child repeats sequence of faces shown on screen. If a child's educational evaluation has determined a weakness in visual sequential memory, the child can play Facemaker exercising only memory skills by turning off the sound on the program.

Title: KinderComp$_{TM}$*
Curriculum: Computer Literacy, Counting, Reading, Spelling
Level: Three-eight years old
Audience: Home, School
Format: Collection of six educational games
Approach: Drill, Game
Hardware: Apple II+; Atari 48K; IBM/PC, 64K, colorcard, Commodore 64, disk drive, color TV or color monitor
Description: KinderComp works to develop a child's pattern of recognition skills, letter recognition abilities, and visual sequential memory. It also introduces the child to the computer keyboard.

Title: Story Machine$_{TM}$*
Curriculum: Computer Familiarity, Spelling, Writing
Level: Five-nine years old
Audience: Home, School
Format: Writing stories using supplied word list; story is animated.
Approach: CMI, Game
Description: Story Machine is an educational toy that helps children learn to write sentences, paragraphs, and simple stories. It also provides familiarity with the computer keyboard.

STERLING SWIFT PUBLISHING COMPANY

7901 South IH-35
Austin, Texas 78744
(512) 444-7570
Contact: Wayne Roe, Operations Manager

COMPANY INFORMATION

Type: Publisher
Hardware: Apple II, II+; Atari 800; Commodore 64, PET 2000 and 4000; IBM/PC; Texas Inst. 99-4A; TRS-80 Model III
Level: Elem, Sec, Post; Author, Teacher
Handicap: HI, PH, VH
Approach: CMI, Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - BASIC
Foreign Languages
Math - Arithmetic, Fractions, Geometry, Graphs, Logical Thinking, Problem Solving, Remedial Math
Vocational Education/Job Skills, Business and Office
Distribution Policy: Products are sold by mail and telephone order and through computer hardware and software dealers, catalog jobbers, and companies and independent sales representatives serving the education market. Materials may be previewed. Hands-on preview disks are available. Ninety-day guarantee, unconditional against defects in workmanship or disk malfunction. After ninety days, damaged disks are replaced for $9.95 and proof of purchase. Otherwise, returns are not allowed.

PRODUCT(S)

Title: The Arithmetic Classroom (the unmanaged version of Elementary Mathematics Classroom Learning System)*
Curriculum: Mathematics
Level: Grades four-eight, Remedial Math
Format: Eight programs, plus games disk for reinforcement
Approach: Drill, Game, Tutor
Hardware: 48K microcomputer, AppleSoft firmware or language card, DOS 3.3
Description: The product is comprised of eight self-contained, highly integrated programs: (1) Addition, (2) Subtraction, (3) Multiplication, (4) Division, (5) Fractions, (6) Fractions: Addition/Subtraction, (7) Fractions: Multiplication/Division, and (8) Decimals, plus games. Each learning package contains a lesson diskette, practice workbook pages, achievement record forms, which are used to keep track of learning progress, and documentation. Each lesson contains various levels of competence. An inventory (placement check) disk is available to assist in determining skills already mastered. The available student/teacher instructional documentation for the use of this program includes activity/worksheets, program operating instructions, and follow-up activities.

The unique strengths of the programs are as follows: (1)they may be used in the home or school, (2) high quality corrective feedback, tutorial approach, drill-and-practice exercises, and educational games are combined in this series of programs, (3) developed by experienced, highly competent educators, this material has a sound math base.

Title: Elementary Mathematics Classroom Learning System, Set 1 - Whole Numbers, Set 2 - Fractions/Decimals*
Curriculum: Mathematics
Level: Grades four-eight, and Remedial Math
Format: Each set has six disks (4 lesson disks, management disk, and games disk) plus documentation

Approach: CMI, Drill, Diagnostic/Prescriptive, Game, Tutor
Hardware: 48K microcomputer, AppleSoft firmware or language card, DOS 3.3
Description: In a ring binder with full documentation and six disks, the product includes: (1) Basic Concepts of Fractions, (2) Addition and Subtraction of Fractions, (3) Multiplication and Division of Fractions, (4) Decimals, (5) Games, (6) Management. Documentation includes operating instructions, lesson objectives, event-by-event sequences of programs. Students sign on by name, group, and special password known only to students and teacher. Randomly generated problems allow students to repeat concepts without repeating problems. The available student/teacher instructional documentation for the use of this program includes program operating instructions, teacher's guide, and prerequisite activities.

The unique strengths of the program are the tutorial approach, drill-and-practice exercises, high quality corrective feedback, embedded mastery checks, diagnostic/prescriptive functions, achievement record-keeping capability (up to 200 students), information reports, and games for reinforcement skills.

Title: Voice-Based Learning System (VBLS)*
Curriculum: Varied
Level: Varied
Format: Educator's and User's manuals, authoring and student disks
Approach: Drill, Lesson planning (authoring), Tutor
Hardware: Apple II or II+; TRS-80 Model I, monitor, Scott Instruments voice-entry terminal with headset microphone.
Optional equipment supported by Apple: VOTRAX Type 'N Talk™ Speech Synthesizer, Dukane Cassette A-V Matic Filmstrip Projector Model 28A3B, Kodak Carousel™ Projector Model 760H, Epson Dot Matrix Printer MX-80
Description: VBLS is a voice-controlled computer-assisted instructional strategy that can be used for: (1) preschoolers, (2) students with impaired hearing and, therefore, impaired speech, (3) public school special education programs, (4) visually impaired students (by using system in combination with speech synthesizer or audio cassette), and (5) immobile or physically disabled students.

SUBLOGIC COMMUNICATIONS CORPORATION

713 Edgebrook Drive
Champaign, Illinois 61820
(217) 359-8482
Contact: Norm Olsen, V.P., Marketing

COMPANY INFORMATION

Type: Publisher, Distributor, Producer
Hardware: Apple
Level: EC, Elem, Sec, Post
Approach: Drill
Curriculum:
Language Arts - Spelling
Distribution Policy: Mail order or direct from software dealers.

SUNBURST COMMUNICATIONS

39 Washington Avenue
Pleasantville, New York 10570
(914) 769-5030
(800) 431-1934
Contact: Stacy Brehm

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II+; Atari 400, 800; Commodore PET; TRS-80 Models I, III
Level: EC, Elem, Sec; Teacher, Test
Approach: Drill, Game, Sim, Tutor
Curriculum:
Arts - Music
Computer Education/Literacy - BASIC, Graphics Packages, Systems Utilities
Guidance - Health and Safety
Language Arts - Grammar, Literature/Stories, Reading Skills (Elementary), Spelling, Vocabulary
Math - Algebra, Arithmetic, Geometry, Logical Thinking, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers
Science - Biology, Chemistry, Elementary Science, Physics
Social Studies - American History, Elementary Social Studies
Vocational Education/Job Skills - Business and Office

SYSDATA INTERNATIONAL, INC.

7671 Old Central Avenue, N.E.
Minneapolis, Minnesota 55432
(612) 780-1750
Contact: Daniel F. Bryan, Vice President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II
Level: Elem, Sec; Admin, IEP, Teacher, Test
Approach: CMI
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary)
Math - Arithmetic
Distribution Policy: Purchase agreements are required for all software. Installation service is available: First day-expenses only; additional days-$200.00 per day plus expenses. Custom software development is available on a project basis. Database consultation services are also available.

PRODUCT(S)
Title: Computer Assisted Language Program - level I**
Curriculum: Language
Level: Junior and Senior High School Special Education
Approach: CMI
Hardware: Apple II+
Description: The Computer Assisted Language Program is presented in nine computerized units covering: nouns, verbs, adjectives, adverbs, pronouns, prepositions, conjunctions, interjections, subject and verb agreement.

Title: Financial Accounting System*
Curriculum: General Management
Audience: Administrative use
Hardware: Apple II

SYSDATA INTERNATIONAL, INC., cont'd.

Description: The program allows 3000 line items, 18 digit codes, 24,000 transactions and reports based upon month-to-date, year-to-date, with percentage of budget expended line item reports and transaction reports. Additional line items and transaction space available.

Title: Flexible Mailing List/Label Generator*
Curriculum: Administrative software
Audience: Administrative
Hardware: Apple II
Description: Single Disk System allows 700 names, 99 mailing lists, and each individual may be a member of five mailing lists. Lists are alphabetized. Double Disk System allows 1400 names, 99 mailing lists, and each individual may be a member of five mailing lists. Lists are alphabetized.

Title: Math-Basic Facts/Basic Skills - Drill and Testing**
Curriculum: Mathematics
Level: Grades K-twelve
Audience: Special Education K-twelve
Approach: CMI
Hardware: Apple II+
Description: Each mathematical function is represented by Basic Fact Concepts and concepts that allow for one or two digit problems. The user inputs up to 99 problems on up to 9 tests or drill activities on each of the four disks. Time can be set each time a student is involved in a test or drill. Printout includes each test or drill item, correct answer, student answer, correct or incorrect, total number of items, number of items correct, percentage correct, and the time taken.

Title: Package I "Data Base"**
Curriculum: Database - Administrative software
Audience: Special Education Administration
Hardware: Apple II
Description: Data Base - Basic student data, reports and mailing labels.

Title: Package II "Basic Service"**
Curriculum: Basic Service - Administration
Audience: Administration
Hardware: Apple II
Description: Package II - Basic service reports including class/case loads, conferences. IEP services and terminated services. Requires interface with Package I.

Title: Package III "Basic Due Process"**
Curriculum: Basic Due Process - Administration
Audience: Administration
Hardware: Apple II
Description: Basic Due Process including referral assessment, reassessment and due process dates and reports. Requires interface with Package I.

Title: Package IV "Flexible Report Generator"**
Audience: Administration
Hardware: Apple II
Description: Package IV - Flexible Report Generator provides individual and group reports based upon user's choice of student characteristics. User defines up to sixty characteristics. Requires interface with Package I.

Title: Package V "Student Incident System"**
Curriculum: Student Incident System
Audience: Special Education Administration

SYSDATA INTERNATIONAL, INC., cont'd.

Hardware: Apple II
Description: Student Incident System provides individual and group reports based upon incidences (seizures, fighting, etc.). Interface with Package I is optional.

Title: Tuition Billing System*
Curriculum: General Management
Audience: Administrative Personnel
Hardware: Apple II
Description: Tuition Billing System allows up to 1500 students and relevant data for each two-disk system. Generates bills for up to 12 billing periods. The final billing period computes an adjustment based upon actual cost. Payments on account and balance due are calculated by district.

Title: Woodcock-Johnson Psycho-Educational Battery Scoring Software*
Curriculum: Woodcock-Johnson test scoring
Hardware: Apple II+
Description: Scoring software for the Apple II 48K with two disk drives, printer or the Commodore 8032-50 printer. Printouts are on normal computer paper.

T

TALENT ASSESSMENT, INC.
P. O. Box 5087
Jacksonville, Florida 32247
(904) 731-1415 (call collect)
Contact: Ben P. Borden, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; TRS-80
Level: Sec, Post; Admin, Author, Test
Curriculum:
Guidance - Career Education/Exploration, Vocational Education
Distribution Policy: Sales representatives with some previews.

TAMARACK SOFTWARE
Water Street
Darby, Montana 59829
(406) 821-4596
Contact: Richard F. Daley, PhD, General Manager

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Apple; Atari; Commodore CBM 64, PET CBM, VIC 20
Level: EC, Elem, Sec, Post; Admin, Author, Database Management
Curriculum:
Computer Education/Literacy - PILOT
Distribution Policy: Distribute to software dealers. Dealers may contact for pricing schedule. Tamarack accepts mail orders, phone orders, or orders through local dealers. Visa and Mastercard credit are accepted, or Tamarack will ship COD. Products are guaranteed against manufacturing defects. Exchange will be made with proof of purchase and return of media for inspection.

TEACHER'S PET SOFTWARE
1517 Holly Street
Berkeley, California 94703
(415) 526-8068
Contact: Glenn Fisher, Owner

COMPANY INFORMATION
Type: Publisher, Producer
Hardware: Commodore PET
Level: Elem
Approach: Drill, Game
Curriculum:
Language Arts - Grammar
Math - Arithmetic, Fractions, Logical Thinking, Remedial Math
Distribution Policy: Mail order (primarily through catalogs, some dealers and direct). No previews; return if defective.

THE TEACHING ASSISTANT
22 Seward Drive
Huntington Station, New York 11746
(516) 499-8397
Contact: Mr. C. Levy, President

COMPANY INFORMATION
Type: Producer
Hardware: TRS-80 Models I, III
Level: Elem, Sec, Post; Admin
Approach: CMI, Tutor
Curriculum:
Aviation - Trip Planning
Language Arts - Reading Skills (Elementary)
Science - Physics
Distribution Policy: Mail order.

TEACHING PATHWAYS, INC.
P. O. Box 31582
121 East 2nd Avenue
Amarillo, Texas 79120
(806) 373-1847
Contact: Hank Brown, Director of Marketing

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; Commodore; Texas Inst.; TRS-80, will provide program compatible to any microcomputer.
Level: Admin, IEP, Teacher, Test, Adult Education, Vocational Education, Correctional Institutions, Rehabilitation
Approach: CMI
Distribution Policy: Mail order and sales representatives.

PRODUCT(S)
Title: Target Management System**
Curriculum: All subjects included plus Teacher Training
Level: Grades K-twelve
Audience: Teachers, Counselors, Diagnosticians
Format: Ten paper-backed bound manuals wtih nine disks
Approach: CMI
Hardware: Microcomputer with two disk drives, 48K, printer

TEACHING PATHWAYS, INC., cont'd.

Description: Based on seven years of research, the Target Management System complies fully with P.L. 94-142 and includes nongraded objectives sequenced from the three-year level to the high school or adult level. Thousands of short-term and long-term goals and specific objectives are organized in each subject matter manual. Teachers utilize criterion-referenced tests (either those included in the manuals, Brigganc=, or others available). As objectives appear on the computer screen, the teacher types (1) correct, (2) incorrect, (3) error due to learning disability, or (4) objective achieved at mastery level. A complete IEP is printed automatically in less than ten minutes. The program can be used by an IEP committee including parents. Thousands of teaching activities are cross-indexed with appropriate materials and textbook suggestions. Serves all types of handicaps.

TEACHING TOOLS: MICROCOMPUTER SERVICES

P. O. Box 50065
Palo Alto, California 94303
(415) 493-3477
Contact: M. Humphrey, Partner

COMPANY INFORMATION

Type: Distributor, Producer
Hardware: Apple; Commodore, all PETS; TRS-80 Models I, III
Level: EC, Elem; Author
Approach: Drill, Game
Curriculum:
Language Arts - Spelling, Vocabulary
Math - Arithmetic
Readiness - Alphabets, Numbers
Distribution Policy: Mail order and catalog sales; thirty-day return policy; replace all defective materials at no charge; no shipping charge on prepaid orders; programs are not copylocked, or a backup is available at minimal charge.

PRODUCT(S)

Title: (3) Addition/Subtraction/Multiplication*
Curriculum: Arithmetic
Level: Grades one-six
Approach: Drill
Hardware: Commodore PET, 8K or more (multiplication requires 16K), cassette or disk
Description: These programs provide practice in all levels of addition, subtraction and multiplication. The user selects a level of problems and the computer creates the problems. Problems are displayed vertically, answers are entered from right to left, carrying or regrouping can be marked, and errors can be erased, so the child can work the entire program on the computer.

Each child works at his/her own rate. The programs provide immediate feedback when the child completes an answer. Positive messages and graphics reinforce correct answers. Feedback for incorrect answers encourages the child to compare his answer to the correct one. These programs have been extensively tested with special education, regular and gifted students.

The programs provide easy-to-use menus for setting the level and number of the problems, the number of chances before the correct answer is displayed, and the time limit for each session.

TEACHING TOOLS: MICROCOMPUTER SERVICES, cont'd.

Title: Letters & Numbers**
Curriculum: Readiness - Alphabet, Numbers
Level: Grades preschool-one
Approach: Drill
Hardware: Commodore PET 8K or more, cassette or disk
Description: This program is ideal for young children and special education classes. It gives practice in matching and in completing sequences of letters and numbers. It uses a special set of large, clear letters (upper and lower case) and numbers.

The user chooses between matching and fill-in practice. Matching requires the child to press the keys corresponding to letters or numbers displayed on the screen. Fill-in shows a sequence of letters or numbers with a blank, and the child presses the key for the missing letter or number. The user sets the type of display (upper- or lower-case letters or numbers) and how many letters or numbers appear.

Title: Match Game**
Curriculum: Math, Language
Level: Grades K-twelve
Approach: Game
Hardware: Apple II; Commodore PET 8K, 16K; TRS-80 Models I, III
Description: The Match Game Program is a motivating game that can be played with an unlimited variety of educational materials. The computer presents a game board of numbered boxes. Players uncover two boxes on each turn, trying to find those with matching contents. The game has exact matches and paired matches (such as synonyms or math problems and answers). The user can create his/her own games (e.g., states and capitals, books and authors, French-English translations, etc.) The program provides easy-to-follow instructions.

One to four people can play; the board can be set for two to ten matches. The user can allow the computer to play also, and it will adjust its level of play to the board size and players' skills.

Title: Spelling Package*
Curriculum: Spelling, Vocabulary
Level: Grades K-twelve
Approach: Drill
Hardware: Apple II, disk; Commodore PET 16K or more, cassette or disk
Description: The Spelling Package allows the user to create his/her own computerized lessons. It is ideal for spelling lessons, foreign language vocabulary, or other language materials. The package contains two programs, a tape recorder interface and detailed instructions.

A Record Program assists step-by-step in creating lessons and preparing tape recordings with spelling words. Variations in recording each word include: repeating the word, saying it in a sentence, or defining it.

A Spelling Program plays the taped message for each word, waits for the student to spell the word, and provides immediate, detailed feedback. When the lesson is finished, the program automatically provides lists of the words spelled correctly and incorrectly.

A Tape Recorder Interface lets the computer control a standard cassette tape recorder. A cassette tape recorder with a remote control jack (found on most cassette recorders) is needed.

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TEACH YOURSELF BY COMPUTER SOFTWARE

40 Stuyvesant Manor
Geneseo, New York 14454
(716) 243-3005
Contact: Lois B. Bennett, Director of Marketing

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; TRS-80
Level: EC, Elem, Sec; Author, Teacher, Test
Approach: CMI, Drill, Game, Tutor
Curriculum:
Language Arts - Spelling
Distribution Policy: Mail order; purchase order with thirty-day return; media guaranteed to load or will be replaced.

PRODUCT(S)
Title: Classfile*
Audience: Teachers
Approach: CMI
Hardware: TRS-80 Model I, III 16K cassette; TRS-80 Model III, two disk
Description: This product is a comprehensive record-keeping system for the classroom teacher. It provides both flexibility and convenience. No programming or complicated computer background is needed to use Classfile. It was designed in consultation with classroom teachers and incorporates the following features: The basic cassette version of Classfile can be utilized with up to thirty-five students at a time, the diskette version with up to forty-five students. Both versions allow for up to twenty-five grades to be assigned to each student.

Classfile allows the teacher flexibility to weigh grades in averaging, enter new grades, change old grades, add extra credit, add students to the class roster, or start a new term without retyping names. The diskette version also adds these features: The ability to enter or delete students in any order yet access and report them in alphabetical order, drop specific grades for a student, drop an assignment for all students, and drop the lowest grade for all assignments.

Classfile enables the teacher to display on the screen or, if a printer is available, print the following information: a list of all students in a class and their grades, a list of all students whose grade falls below some cut-off point, a list of all students and averages in rank order by average. It will also display the class average (particular students may be eliminated from this average), and it may also list the average and assignment grades of any one student by name. The diskette version also allows for a bar graph of the class averages to display on the screen; printing of assignment averages produces a list of all students who have missed or dropped assignment grades.

A class roster generator takes the student list created by Classfile and formats it as a grade roster. This form can be used in place of a grade book for keeping a written record of students' grades.

The diskette version of Classfile adds these additional features: It allows the computer to automatically generate personalized warning letters to parents by specifying the cut-off grades for failing and near-failing, the teacher's name, the school name, and phone number. Classfile will scan stored grades for students who fit the particular criteria. The teacher then has the option of printing a letter or not, and of inserting up to four standard or teacher-composed comments about each particular student. The computer then prints the letters for the teacher to sign and send home.

The system comes complete with a user manual.

TEACH YOURSELF BY COMPUTER SOFTWARE, cont'd.

Title: Individual Study Center*
Curriculum: Any area
Level: Grade one-adult
Approach: Drill, Game
Hardware: Apple, DOS 3.3, one disk; TRS-80 Model I, III 16K cassette; TRS-80 Model III two disk
Description: This product is a drill and test package that allows teachers to make up their own question/answer sets or to purchase prepared sets. The teacher prepares a set of questions/answers on a given topic with the aid of the Maintenance program. Once the question/answer set is entered into the computer, it is stored either on a cassette or diskette. These question/answer sets are called subject data files. Prepared subject data files may be purchased if desired. More than fifty files are available on varied topics. Each subject data file includes at least eighty questions and answers on each subject.

The question/answer sets can then be used with an activity that is appropriate for the student. The Individual Study Center comes with six different presentation styles or activities (TRS-80 version has eight activities) each with different educational objectives. The student or teacher combines the question/answer set with an activity. The activities provide varying formats for the presentation of the same material, or different material can be presented in the same activity. In addition, because the material is geared to the individual student, any slow, average, or bright student can play the same game or work with the same activity without being frustrated by the wrong competency level of the material.

Title: T.E.S.T.*
Audience: Teacher use
Approach: CMI
Hardware: TRS-80 Model I, III 16K cassette; TRS-80 Model III two disk
Description: This product is a comprehensive test authoring system containing two programs for teachers and students.

The Maintenance Program allows a teacher or student to create, edit and store tests, quizzes or worksheets of up to thirty-five questions. No programming knowledge is needed. Each test question may be either multiple choice, true or false, or completion. The entire test, including the correct answers, is stored on cassette or diskette for later use.

Test and Drill is a utility program designed to accept the test prepared by the Maintenance Program. With this program, students may either use the questions as a review or take a scored test, or the teacher can have the computer prepare a printed test/worksheet with an answer key.

Title: Words for the Wise*
Curriculum: Spelling
Level: Grades one-six
Approach: Drill, Game
Hardware: TRS-80 Model I, III, 16K cassette; TRS-80 Model III, two disk
Description: This product is a complete spelling tutor system for the elementary school student. It features five spelling activities: Missing Letters, Scrambled Words, Match the Letters, Alphabetizing, Hangman.

Correct answers are reinforced throughout. Students are rewarded and corrected through animated graphics and sound. The sound is generated by inserting the cassette plug into a small amplifier/speaker (not included, but available through all Radio Shack stores; program may be used without sound).

TEACH YOURSELF BY COMPUTER SOFTWARE, cont'd.

The product provides unlimited flexibility in choosing words to be studied. Teachers may prepare and store their own library of lists or use the 1,000 word list provided with the Words for the Wise System. Lists can be prepared or changed with no programming knowledge.

The package comes complete with two programs: Words for the Wise Activity Program, Word List Generator Program, a word list containing 1,000 words for grades one-six on disk or tape, a teaching/instruction manual.

TECK ASSOCIATES

P.O. Box 8732
White Bear Lake, Minnesota 55110
(612) 429-5570
Contact: Christine Keyser, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple 48K, DOS 3.3
Level: EC, Elem, Sec, Post; Author, Teacher
Approach: CMI, Drill, Game, Sim
Curriculum:
Computer Education/Literacy - PILOT
Language Arts
Math - Algebra, Arithmetic, Fractions, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers
Science - Biology
Vocational Education/Job Skills - Business and Office
Distribution Policy: All sales are mail order except those through dealers. Schools may order for thirty-day preview. Defective disks will be replaced for $5.00. All software is copyable by the user.

PRODUCT(S)
Title: EZ PILOT*
Curriculum: All
Level: Grades K-twelve
Audience: Teachers
Format: Used to create lessons
Hardware: Apple II 48K, DOS 3.3
Description: EZ PILOT is a simple, easy to use version of the computer languge PILOT. EZ PILOT is especially designed to allow teachers to write short drill lessons quickly for students. The teacher may present material, ask questions, check answers and, if necessary, remedy deficiencies. The author may also add graphics, sound, and special, large colored letters for easier reading for emphasis.

TERRAPIN, INC.

380 Green Street
Cambridge, Massachusetts 02139
(617) 492-8816

COMPANY INFORMATION
Type: Producer
Hardware: Apple II, II+; Commodore 64
Level: Elem, Sec, Post

TERRAPIN, INC., cont'd.

Curriculum:
Computer Education/Literacy - LOGO
Math - Geometry
Distribution Policy: Computer stores and mail order. Ninety-day warranty.

PRODUCT(S)
Title: The Terrapin Logo Language*
Level: Elementary and up
Hardware: Apple II+, 64K; or Commodore 64
Description: This product is a powerful, easy-to-use computer language designed to be as friendly as possible to the user.

It has the list structure, recursiveness, and dynamic variable scoping features of Lisp, floating point arithmetic, and an assembly language interface that includes an assembler written in Logo. The Terrapin Logo language has a fully integrated screen editor and more than 120 primitives including 30 graphics commands.

Logo uses turtle graphics--an intuitive way of doing computer graphics. Turtle graphics uses the idea of a turtle--a cybernetic animal that lives on a computer screen and responds to the user's commands to move forward or backward, to turn left or right. The turtle leaves a trail behind it as it moves. Users can easily write programs to draw complex figures on the screen in high-resolution color graphics.

The Terrapin Logo language is a procedure-oriented language that can be programmed by dividing the problem at hand into smaller problems, and solving them individually by writing small programs (procedures) for each one. Each procedure can take any number of inputs (arguments) of any type, and can output a result. Procedures can be used exactly as if they were part of the language. The names of procedures and variables may be of any length, with essentially no memory penalty for using long names.

List structure allows words and lists to be manipulated easily. A list may include numbers, words, procedure names, and other lists in any order.

Terrapin Logo provides an ideal environment for children and adults with all types of learning disabilities. It helps teach motor skills and logical thinking and fosters the development of independence and autonomy. Since there are no "wrong" answers special learners quickly see that they cannot fail in a Terrapin Logo environment. This provides the special learner an opportunity to control his environment in a personally meaningful way.

T. H. E. S. I. S.

P.O. Box 147
Garden City, Michigan 48135
(313) 595-4722
(800) 354-0550 orders only
Contact: Linda Schreiber, Owner

COMPANY INFORMATION
Type: Publisher
Hardware: Apple II+, IIe; Atari 400, 800, 1200; Texas Inst. (Fall 1983)
Level: EC, Elem; Author
Approach: Drill, Game, Tutor
Curriculum:
Language Arts - Grammar, Spelling, Vocabulary
Math - Arithmetic
Readiness - Alphabets, Numbers, Visual Skills

T.H.E.S.I.S., cont'd.

Distribution Policy: Direct mail; some marketing representatives, dealers world-wide; thirty-day preview, life-time warranty on media.

TEXAS INSTRUMENTS

P. O. Box 225012, MS 84
Dallas, Texas 75265

Information was not available at time of publication.

TIES

1925 W. County Road, B-2
St. Paul, Minnesota 55113
(612) 638-2348
Contact: Distribution Clerk

COMPANY INFORMATION
Type: Distributor, Producer
Hardware: Apple II, II+, IIe
Level: Elem, Sec; Admin, Author
Approach: CMI, Drill, Sim, Tutor
Curriculum:
Computer Education/Literacy - BASIC, Systems Utilities
Language Arts - Grammar, Library Skills, Reading Skills (Elementary)
Math
Science - Elementary Science
Distribution Policy: Mail order; thirty-day previews allowed with purchase order or prepaid orders; replacement of defective diskettes within ten days of receipt of order.

PRODUCT(S)
Title: Question/Answer and Vocabulary Facilities*
Curriculum: Any
Level: Any
Audience: Teachers
Approach: Drill
Hardware: Apple II 48K, DOS 3.3
Description: This product is an authoring/drill and practice program in which the teacher is able to create, edit and display question and answer lessons or word lists in any subject area for use by students. Using exercises generated by the teacher, the student will be able to identify answers to questions given various possible choices. The word lists are used with four drill and practice exercises: Hangman, Scramble, Spell, Spell2, and Worder.

Title: Word Wise Authoring*
Curriculum: Reading
Level: Grades one-three
Approach: Drill
Hardware: Apple II 48K, DOS 3.3
Description: This product is an authoring/drill and practice program in which the teacher is able to create, edit and display question and answer lessons for use by primary level students in reading. The students either fill in a blank in a sentence with a word (or phrase), or match a word (or phrase) with a picture.

TSC/HOUGHTON MIFFLIN COMPANY

P.O. Box 683
Hanover, New Hampshire 03755
(603) 448-3838
Contact: Product Specialist

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II, II+; IBM PC
Level: Elem, Sec, Post; Guidance, Test
Approach: CMI, Drill, Tutor
Curriculum:
Guidance - Career Education/Exploration
Language Arts - Grammar, Library Skills, Reading Skills (Elementary), Remedial Reading Skills, Spelling, Vocabulary
Math - Arithmetic, Fractions, Geometry, Graphs, Problem Solving, Remedial Math
Vocational Education/Job Skills
Distribution Policy: Most products are marketed through sales representatives. Software is covered by warranties, or by license contracts that guarantee operation of software and hardware.

TYCOM ASSOCIATES

68 Velma Avenue
Pittsfield, Massachusetts 01201
(413) 442-9771
Contact: Dave Tyburski, President

COMPANY INFORMATION

Type: Publisher, Producer
Hardware: Commodore PET/CBM
Level: Sec, Post
Approach: Drill, Game
Curriculum:
Foreign Languages - French, German, Spanish
Language Arts - Vocabulary
Math - Algebra, Logical Thinking, Problem Solving
Distribution Policy: Sales via mail order and through computer stores. All tapes guaranteed to load and run. Tapes may be replaced for a nominal fee, even if accidentally erased or destroyed.

UNIQUE PROGRAMMING SERVICES, INC.

Box 516
Amsterdam, New York 12010
(518) 842-5834
Contact: Joan Kolodziej, Secretary

Type: Producer
Hardware: TRS-80 Model I or III
Level: Elem; Author
Approach: CMI, Drill, Tutor
Curriculum:
Arts - Visual Arts
Language Arts - Writing
Distribution Policy: Mail order. Preview policy.

PRODUCT(S)
Title: The Drawing Program*

UNIQUE PROGRAMMING SERVICES, INC., cont'd.

Curriculum: Drawing
Level: Elementary and up
Format: Disk or cassette tape
Approach: Drill, Sim, Tutor
Hardware: TRS Model I 16K or Model III 32K, 1 or 2 disk drives
Description: This program allows free use of imagination with design. Designs fill in when desired, and the program is extremely easy to use.

This program enables the student to create and save drawings. It allows the user to create up to 10 sections of drawings and then merge or overlay them. Drawings can be saved on a file, changes can be made and saved again. The program also contains a help function for the user. This program uses the numeric key pad for cursor movement. One can also make drawings in large or small blocks.

Title: Mr Write*
Curriculum: Writing
Level: Grades two-six, Remedial, Special Education
Format: Disk or cassette tape
Approach: CMI, Drill, Sim, Tutor
Hardware: TRS Model I 16K or Model III 32K, 1 or 2 disk drives
Description: This program can be used in a one-to-one small group or large group, terminal station setting. It features extended drill and reinforcement, accompanying worksheets, and an activity book. Positive reinforcement is provided throughout, and the format is easy to follow.

Mr. White is a 5-disk system designed especially to teach organized paragraph writing to children in grades two-six. This new technique has been child-tested and shown effective in teaching children structural organization through the use of numbers as cognitive organizers in paragraph writing.

Ths system includes five separate disks, one for each grade level. Each grade level program follows the same basic format, but at the appropriate instructional and interest level. Correct responses are frequently recognized throughout the program with the appearance of the happy face.

This program also includes ten program work sheets for each grade level, a 90-page activity section emphasizing word elimination, grouping, sequencing, writing and mazes. All are suitable for reproduction. This package includes an accompanying teacher's manual.

Title: Teacher-Class Program*
Curriculum: All
Audience: Teachers
Format: Disk or cassette tape
Approach: CMI, Drill, Tutor
Hardware: TRS Model I 16K or Model III 32K, 1 or 2 disk drives
Description: This program is especially appropriate for the special education teacher-student relationship because the teacher can easily adapt it to individual needs. The program is easily changed as assessments change. Any subject matter, simple or complex, can be handled, and the program is an invaluable tool for special educators.

This program enables teachers to create their own screens of information to be saved and used with the class. A variety of topics can be used. Allows teachers to use their own creativity to help students and to recall screens at the touch of a key.

UNIVERSAL SYSTEMS FOR EDUCATION, INC.

2120 Academy Circle, Suite E
Colorado Springs, Colorado 80909
(303) 574-4575
Contact: Dan Myers, President

COMPANY INFORMATION

Type: Producer
Hardware: Apple II Plus
Level: Elem
Curriculum:
Language Arts - Reading Skills (Elementary)
Distribution Policy: The PAL product line is available by direct mail or from a number of dealers around the country. We have a 10-day return policy (which can be extended to 30 days upon request), which serves as our preview policy.

UPPER ROOM MICROCOMPUTER CONSULTANTS

907 6th Avenue, East
Menomonie, Wisconsin 54751
(715) 235-5775
Contact: Sam L. Jenkins, President

COMPANY INFORMATION

Type: Producer
Hardware: Apple II 48K; Texas Inst. 99/4 or 99/4(A)
Level: EC, Elem; Test
Approach: Drill, Tutor
Curriculum:
Language Arts - Grammar, Reading Skills (Elementary), Spelling
Math - Arithmetic, Problem Solving, Remedial Math
Readiness - Alphabets, Numbers, Visual Skills
Distribution Policy: Distributed by mail; guarantee is unconditional for ninety days; full refund if software not appropriate for user's needs.

PRODUCT(S)

Title: Addition**
Curriculum: Math: Addition
Level: Preschool-Elementary
Audience: Special Needs Students
Description: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic
Description: The Addition program provides drill and practice in simple addition problems where the student counts and adds rabbits on the screen. The instructor can control the size of the numbers involved in the problems. Students can see the concept of addition illustrated on the screen as they observe rows of rabbits changing color.

Title: Basic Arithmetic**
Curriculum: Math: Arithmetic
Level: Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic
Description: The Basic Arithmetic program provides problem solving activities in addition, subtraction, multiplication, and division. The instructor can control the size of the numbers to appear in each lesson segment so that students can work at the level appropriate to their needs. Each lesson uses color

UPPER ROOM MICROCOMPUTER CONSULTANTS, cont'd.

graphics, sound and synthesized speech to illustrate the concepts of each lesson. Speech can be turned on or off, depending upon students' needs. The program can be run without a speech synthesizer or editor if they are not available.

Title: Early Counting Fun**
Curriculum: Numbers, Counting
Level: Preschool-Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor, or speech synthesizer and extended basic; monitor
Description: Early Counting Fun gives the student drill and practice in counting from 1 to 9. A variety of objects is presented on the screen; the student is required to count the objects and press the corresponding key on the key board. The objects are arranged in different patterns and colors so that counting skills can be generalized to different situations.

Title: Fish and Count**
Curriculum: Math: Counting
Level: Preschool-Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill, Game
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic; joystick
Description: The Fish and Count lesson is designed to integrate a counting activity with a game in which the student tries to catch fish by guiding the fish with a joystick (the joystick is required). Lesson options can be selected so that the student must (1) count the number of fish correctly before being permitted to catch them, or (2) practice fishing with the requirement of counting the fish.

Title: Floppy Teaches How to Print Letters and Numerals**
Curriculum: Readiness: Alphabets, Numbers
Level: Preschool-Elementary
Format: Apple II 48K Disk
Approach: Drill, Tutor
Hardware: Apple II 48K with one disk drive
Description: Helps children to master the printing of alphabet letters and numerals. Children watch each letter or numeral being correctly formed on the screen; then Floppy directs them to print the same character and waits until the children indicate their readiness to continue. Options available are: capital and small letter combinations; various strokes (vertical, horizontal and slanted lines, circles, curves); groups of letters having similar characteristics; and choice of any capital letter, small letter, or numeral. The program lends itself to small group as well as individual instruction.

Title: Floppy Teaches Letter and Numeral Recognition**
Curriculum: Readiness: Alphabets, Numbers
Level: Elementary
Format: Apple II 48K Disk; Texas Inst. 99/4(A) Disk or Tape
Approach: Drill, Game
Hardware: 48K Apple II with one disk drive; Texas Inst. 99/4(A) System
Description: This product is a visual perceptual game that assists students in mastering the essential

UPPER ROOM MICROCOMPUTER CONSULTANTS, cont'd.

beginning reading skill of identifying individual letters (both capital and small) and the numerals 0 - 10. Floppy presents a letter or numeral and the student must find its identical shape from among a group of four. This game is appropriate for students who have acquired the ability to distinguish similarities and differences among objects, such as those presented in Floppy Teaches Same and Different. Children are challenged to make fine discriminations required in beginning reading, such as those between "b" and "d" and "g" and "q."

Title: Floppy Teaches Same and Different**
Curriculum: Readiness: Visual Skills
Level: Preschool-Elementary
Format: Apple II 48K Disk; Texas Inst. 99/4(A)
Approach: Game
Hardware: 48K Apple II with one disk drive; Texas Inst. 99/4(A) System
Description: This product is an entertaining visual, perceptual program designed to help students distinguish between pairs of objects that may be the same or that may differ in some way. Differences range from the obvious to the very subtle. The ability to distinguish differences among objects, shapes, and forms relates directly to students' future success with reading and mathematics skill development.

Title: Floppy Teaches What is Missing**
Curriculum: Visual Skills
Level: Preschool-Elementary
Format: Apple II 48K Disk; Texas Inst. 99/4(A) Disk
Approach: Drill
Hardware: 48K Apple II with one disk drive or Texas Inst. 99/4(A) System
Description: This package teaches children to identify parts missing from whole objects (child, car, house, scene). When the child correctly identifies the missing part, the part floats back to its proper position on the original object. The random selection of missing parts by the computer makes each game unique.

Title: GATB/COPS Computer Program*
Curriculum: Vocational Assessment
Format: Apple II Disk
Approach: Computer Search
Hardware: 48K Apple II Plus with one disk drive
Description: The GATB/COPS computer program is designed for those using the General Aptitude Test Battery for vocational assessment. The computer program searches all 66 GATB OAPS and matches the testee profiles with the OAPs for which they qualify on the basis of tested aptitude. A paper printout of the results is generated for inclusion in a file.

A second feature of the program provides the user the opportunity to enter an interest profile obtained from the California Occupational Preference Survey. The computer program will search all 66 GATB OAPs and print out a report reflecting which OAPs the testee has high interest and/or aptitude in.

The program can be run for OAPs based on the GATB scores only or for OAPs based on GATB profile plus COPS interest profile. In either case, both HIGH and MEDIUM OAPs can be obtained.

The computer printout provides a tool which can be used in vocational counseling and assessment. The user can quickly spot vocational areas where the testee may have high interest as well as aptitude, or areas where they do not coincide.

UPPER ROOM MICROCOMPUTER CONSULTANTS, cont'd.

Title: Keyboard Trainer**
Curriculum: Key Identification
Level: Preschool-Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor, or speech synthesizer and extended basic; monitor
Description: The Keyboard Trainer program is designed for those learners who may have difficulty indentifying keys and pressing the correct choice during a lesson. The object of this drill and practice is to acquaint the student with the location of each of the keys on the keyboard. It is designed to be very simple and straightforward so that the student will not be confused by other activity on the screen. The program is highly repetitious and structured and is intended to precede the Early Counting Fun and Talking Typewriter programs.

Title: Shark Counting
Curriculum: Math: Counting
Level: Preschool-Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill, Game
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic; monitor
Description: The Shark Counting program has a stronger game element in it than the other counting programs in this series. The object of the lesson is to count the number of gulls sitting in the ocean and press the corresponding key. If the correct key is pressed, the student is rewarded by moving a ship closer to an island. If the response is incorrect, however, a shark emerges from the water and engulfs one of the gulls. When the ship reaches the island, the computer responds "YOU WIN!". Various options can be turned on and off in this program to provide varying degrees of assistance and feedback to the student.

Title: Subtraction**
Curriculum: Math: Subtraction
Level: Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic
Description: The Subtraction program provides drill and practice in simple subtraction problems for which the student counts and subtracts rabbits on the screen. The instructor can control the size of the numbers involved in the problems. Students can see the concept of subtraction illustrated on the screen as they observe rows of rabbits changing color.

Title: The Talking Typewriter**
Curriculum: Language Arts: Spelling, Word Recognition, Sentence Construction
Level: Elementary
Format: Texas Inst. 99/4(A) Disk or Tape
Approach: Drill
Hardware: Texas Inst. 99/4(A) 16K with speech synthesizer and speech editor command module, or speech synthesizer and extended basic. This program requires the terminal Emulator II Command Module plugged into t e module.
Description: This program turns the computer into a talking typewriter that will say each character and word as it is typed into the keyboard. It can be useful

for spelling, word recognition, and sentence construction. It is extremely flexible and allows the instructor to design activities to meet the specific needs of students.

VOCATIONAL BIOGRAPHIES, INC.

U

P.O. Box 31
Sauk Centre, Minnesota 56378
(612) 352-6516
Contact: Toby P. Behnen, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple; IBM/PC
Level: Sec; Lib, Test
Approach: Drill, Tutor
Curriculum:
Guidance - Career Education/Exploration
Language Arts - Remedial Reading Skills
Science - Biology, General Science
Social Studies - American History, Government/Law
Vocational Education/Job Skills - Business and Office, Home Economics, Industrial Arts
Distribution Policy: Direct mail marketing; some sales representatives throughout the U.S.; materials shipped on thirty-day approval.

WESTERN PSYCHOLOGICAL SERVICES

W

12031 Wilshire Boulevard
Los Angeles, California 90025
(213) 478-2061
Contact: Dr. Gale Roid, Director of Research

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; IBM/PC
Level: Test
Distribution Policy: Mail order to qualified assessment professionals only; free catalog; no preview, review or complimentary copies available.

PRODUCT(S)
Title: Personality Inventory for Children (PIC)*
Curriculum: Testing and Evaluation
Level: Ages three-sixteen
Audience: Psychologists, Testing Personnel
Format: Floppy disk
Hardware: Apple; IBM/PC; Osborne
Description: This program permits computer administration, scoring, and interpretation of the PIC, a parental rating form used to assess academic and behavioral problems in children ages three-sixteen.

B. L. WINCH & ASSOCIATES

45 Hitching Post Drive, Building 2
Rolling Hills Estates, California 90274
(213) 547-1240
Contact: Bradley L. Winch, President

B. L. WINCH & ASSOCIATES, INC., cont'd.

COMPANY INFORMATION
Type: Publisher, Distributor
Hardware: Apple; Texas Inst.; TRS-80
Level: EC, Elem, Sec; Lib, Test
Approach: CMI, Game, Sim
Curriculum:
Arts - Music
Guidance - Career Education/Exploration, Life Skills
Language Arts - Library Skills, Literature/Stories, Remedial Reading Skills, Vocabulary, Writing
Readiness - Alphabets, Numbers, Visual Skills
Social Studies - Elementary Social Studies
Distribution Policy: Mail order; sales representatives; warranties.

PRODUCT(S)
Title: Prescriptive Materials Retrieval System-Computerized**
Level: Grades PreK-twelve
Audience: Diagnostic/Prescriptive Personnel
Format: Microcomputer Disks
Approach: Retrieval System
Hardware: Apple
Description: This product is a computerization of a formerly manually-operated (optical-matrix readout) educational materials retrieval system. Printout gives name of prescriptive product that fills a specifically diagnosed deficiency.

WINNERS CIRCLE EDUCATION COMPANY

Suite 1308, Temple Building
Rochester, New York 14604
(716) 325-6493
Contact: Jim Mueller, President

COMPANY INFORMATION
Type: Publisher, Distributor, Producer
Hardware: Apple II+, III; Atari 400, 800 with disk
Level: Elem, Sec; Author
Handicap: LD
Approach: Drill, Game
Curriculum:
Math - Arithmetic, Remedial Math
Distribution Policy: Distribution channels include mail order, sales representatives, and retailers. Preview policy: thirty days for large Media Centers; disks may be returned if not satisfied within thirty days.

PRODUCT(S)
Title: Math Invaders$_{TM}$*
Curriculum: Math
Level: Grades K-eight; Remedial grades ten-twelve
Approach: Drill, Game
Hardware: Apple II+; Atari 400, 800
Description: Program has been used for learning disabled students at Learning Development Center, Rochester Institute of Technology. Drills can be created by the teacher and speed of presentation can be controlled to meet any student's needs.

WORMALD INTERNATIONAL SENSORY AIDS

White Plains Office Centre, Suite 110
205 W. Grand Avenue
Bensenville, Illinois 60106
(312) 766-3935

WORMALD INTERNATIONAL SENSORY AIDS, cont'd.

Company markets a portable, computer-based system to store, retrieve, and display textual information in large type.
Additional information was not available at time of publication.

ZWEIG ASSOCIATES
DIV. OF SKILLCORP, INC.

1711 McGaw Avenue
Irvine, California 92714
(714) 549-3246
(800) 854-8688
Contact: Richard L. Zweig, President

COMPANY INFORMATION
Type: Publisher
Hardware: Apple; Commodore; TRS-80
Level: EC, Elem, Sec; Admin, Author, IEP, Test
Approach: CMI, Drill, Tutor
Curriculum:
Language Arts - Reading Skills (Elementary), Remedial Reading Skills, Vocabulary
Math - Arithmetic, Fractions, Geometry
Readiness - Auditory Skills, Numbers, Visual Skills

PRODUCT(S)
Title: AIDS Authoring Program*
Curriculum: All subjects and curricular areas
Level: All levels
Format: Soft card plus diskettes (two)
Approach: CMI
Hardware: Apple II+ 48K; TRS-80 Model III 48K; one or two disk drives
Description: Teachers may program without knowledge of programming language, and may set up simulated high resolution graphic presentations, branching and timed lessons. The system presents programs, keeps records, scores and records data, and provides timed management information.

Title: Fountain Valley Computerized Management System in Numbers and Operations*
Curriculum: Numbers, Operations
Level: Grades K-six
Audience: Teachers at all levels including remedial
Format: Computerized Management System requiring tests, cards and card reader
Approach: CMI
Hardware: Apple II+ 48K; Commodore 32K; TRS-80 Model III 48K, Optical Card Reader, Printer, 1 or 2 disk drives
Description: Programs have been used in special education settings in pre-computer form for the past twelve years. Now these programs are computerized for ease of use in all settings, particularly special eduation. This program uses criterion-referenced testing to measure the skill levels of each student, and it then links the results to prescriptions for remediation. The prescriptions are correlated with locally available instructional materials and resources.

Title: Fountain Valley Computerized Management System in Reading*
Curriculum: Reading
Level: Grades one-six
Audience: Teachers of all levels including remedial
Format: Computerized Management System requiring test cards and card reader
Approach: CMI

ZWEIG ASSOCIATES, cont'd.

Hardware: Apple II+ 48K; Commodore 32K; TRS-80 Model III 48K, Optical Card Reader, Printer, 1 or 2 disk drives
Description: Programs have been used in special education setting in pre-computer form for the past twelve years. Now these programs are computerized for ease of use in all settings, particularly special education. This program uses criterion-referenced testing to measure the skill levels of each student, and then it links the results to prescriptions for remediation. The prescriptions are correlated with locally available instructional materials and resources.

Title: Santa Clara Inventory of Developmental Tasks Computerized Management System*
Curriculum: Early Childhood
Level: Ages three-seven, plus Special Education
Format: Computerized Management System requiring tests, cards, and card reader.
Approach: CMI
Hardware: Apple II 48K; Commodore 32K; TRS-80 Model III 48K, Optical Card Reader, printer, one disk drive
Description: Programs have been used in special education setting in pre-computer form for the past eight years. Now these programs are computerized for ease of use in all settings, particularly special education. This program uses criterion-referenced testing to measure the skill levels of each student, and it then links the results to prescriptions for remediation. The prescriptions are correlated with locally available instructional materials and resources.

3R SOFTWARE

3

P. O. Box 3115
Jamaica, New York 11431
(212) 658-5196
Contact: Robert Williams, Senior Partner

COMPANY INFORMATION

Type: Publisher, Producer
Hardware: TRS-80 Models I, III
Level: Elem, Sec
Approach: Drill, Tutor
Curriculum:
Language Arts - English, Grammar, Spelling
Distribution Policy: Mail order; complete refund on return; demonstration disk available for preview.

PRODUCT(S)

Title: English Usage Exercises*
Curriculum: English, Language Arts
Level: Grades four-nine, or Secondary Remedial
Format: Cassette or disk; network version available; teacher manuals
Approach: Drill, Tutor
Hardware: TRS-80 Models I, III
Description: This program provides simple drill and practice exercises, presenting only printed or textual information (i.e., no sound or graphics). The skills are developmentally sequenced and can be used by older students for remediation.

ИПЕН

HANDICAP/SPECIAL AUDIENCE

EDUCABLE MENTALLY RETARDED

Exceptional Technology** 17
Learning Tree Software* 27
MCE 32

EMOTIONALLY DISTURBED

MCE 32
Southwest EdPsych 50

HEARING IMPAIRED

Encyclopaedia Britannica* 16
Island* 23
Modern Education Corporation 38
Software Research Corp** 49
Sterling Swift* 52

LEARNING DISABLED

Encyclopaedia Britannica** 16
Exceptional Technology** 17
Learning Tree Software 27
MCE 32
SouthWest EdPsych 50
Winners Circle 62

PHYSICALLY HANDICAPPED

Encyclopaedia Britannica 16
Exceptional Technology** 17
SciTronics 44
Scholastic* 42
Software Research Corp* 49
Sterling Swift* 52

SEVERELY HANDICAPPED

SouthWest EdPsych 50

SPEECH/LANGUAGE HANDICAPPED

Exceptional Technology** 17
Laureate** 26
Scholastic* 42
SciTronics 44

TRAINABLE MENTALLY RETARDED

Exceptional Technology** 17
MCE 32

VISUALLY HANDICAPPED

Duxbury* 13
Laureate** 26
Maryland Computer Services 30
Software Research Corp* 49
Sterling Swift* 52
Wormald 60

HARDWARE

APPLE

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Activity Resources 1
American Educational Computer 1
American Guidance Service 1
American Learning 1
Amidon 1
Apple Computer* 2
Aquarius* 2
Avant-Garde 3
Behavioral Engineering* 4
Bergwall 5
Bertamax 5
Borg-Warner* 5
Brainbank 6
Charles Clark 6
Compu-Tations* 7
Computer Advanced Ideas 7
Computer Courseware Services** 7
Computer Skill Builders* 8
Conduit 9
Conover 9
Consulting Psychologists Press 9
Continental Press 10
Cuisenaire 10
Curriculum Associates** 10
Cybernetic Information Systems* 10
Cybertronics 11
Data Command 11
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Educational Activities 13
Educational Courseware* 13
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Eiconics 15
Electronic Courseware* 15
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Encyclopaedia Britannica** 16
Evans-Newton** 16
Exceptional Technology** 17
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Fullmer** 18
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Hammett 18
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Ideatech 22
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K-12 Micromedia 24
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Micro-Ed.....35
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Milton Bradley*.....36
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Prentice-Hall Media*.....41
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Psychological Corporation*.....40
Publishers Test Service*.....41
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Random House.....42
Reader's Digest.....42
Reading Laboratory.....42
Reston.....42
Scholastic.....42
School and Home CourseWare*.....43
School Specialty Supply.....45
Scott, Foresman**.....45
Screening and Tracking Corp**.....47
SFA.....47
Singer**.....47
SLED**.....48
Sliwa Enterprises.....48
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Software Research Corp.....49
Southern MicroSystems**.....49
SouthWest EdPsych**.....50
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Sterling Swift*.....52
Sublogic.....52
Sunburst.....53
Sysdata**.....53
Talent Assessment.....54
Tamarack.....54
Teaching Pathways**.....54
Teaching Tools**.....55
Teach Yourself By Computer*.....56
TECK*.....57
Terrapin*.....57
T.H.E.S.I.S.....57
TIES*.....58
TSC.....58
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Upper Room**.....59
Vocational Biographies.....61
Western Psychological Services*.....61
Winch**.....62
Winners Circle*.....62
Zweig Associates*.....62

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Charles Clark.....6
Compu-Tations.....7
Conduit.....9
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Dorsett.....12
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Amidon....1
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Basics and Beyond*....4
Bertamax....5
Borg-Warner....5
Brainbank....6
Charles Clark....6
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Psychological Corporation*....40
Quality Educational Designs....41
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Reading Laboratory....42
Reston....42
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Bertamax....5
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American Educational Computer....1
American Guidance Service....1
American Learning....1
Amidon....1
Apple Computer*....2

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ASK Enterprises 3
Avant-Garde 3
Basics and Beyond 4
Behavioral Engineering* 4
Bertamax 5
Borg-Warner* 5
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TIES* 58
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Avant-Garde 3
Basics and Beyond 4
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Bergwall 5
Bertamax 5
Borg-Warner* 5
Brainbank 6
Charles Clark 6
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Conduit 9
Conover 9
Consulting Psychologists Press 9
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Cow Bay 10
Cuisenaire 10
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Dorsett 12
Duxbury* 13
George Earl 13
Educational Activities 13
Educational Courseware* 13
Educational Design* 14
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Edu-Ware 15
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Encyclopaedia Britannica 16
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Fullmer** 18
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Radio Shack 42
Random House 42
Reader's Digest 42
Reading Laboratory 42
Reston 42

SECONDARY, cont'd.

Scholastic** 42
School and Home Courseware* 43
School Specialty Supply 45
Scott, Foresman 45
SFA 47
SLED** 48
Sliwa Enterprises 48
Society for Visual Education 48
Software Research Corp 49
SouthWest EdPsych* 50
Spinnaker 51
Sterling Swift* 52
Sublogic 52
Sunburst 53
Sysdata** 53
Talent Assessment 54
Tamarack 54
Teaching Assistant 54
Teach Yourself By Computer* 56
TECK 57
Terrapin* 57
TIES* 58
TSC 58
Tycom 58
Vocational Biographies 61
Winch 62
Winners Circle* 62
Zweig Associates* 62
3R Software 63

POSTSECONDARY

American Guidance Service 1
Amidon 1
Apple Computer 2
Avant-Garde 3
Basics and Beyond 4
Bergwall 5
Compu-Tations 7
Computer Advanced Ideas 7
Computer Courseware Services 7
Computer Skill Builders 8
Concept Educational Software 9
Conduit 9
Consulting Psychologists Press 9
Cybertronics 11
Dorsett 12
Duxbury* 13
Educational Activities 13
Educational Courseware* 13
Educational Images 14
Educational Software & Marketing 14
Edu-Ware 15
Electronic Courseware 15
EME 16
Fisher Scientific 18
Hammett 19
Hartman 21
Holcomb 22
Instructional/Communications 23
Kidstuff 24
Krell 26
Laureate** 26
Mafex 31
Media Materials 33
Microcomputer Workshops 34
Micro-Ed 35
Micro Learningware 35
Microphys 35
Micropi 36

POSTSECONDARY, cont'd.

Micro Power & Light 36
Modtec 38
Muse 39
Opportunity for Learning 39
Phoenix 39
Prentice-Hall 41
Program Design 41
Reading Laboratory 42
Reston 42
Scholastic 42
School and Home Courseware 43
SFA 47
Sliwa Enterprises 48
SouthWest EdPsych 50
Sterling Swift 52
Sublogic 52
Talent Assessment 54
Tamarack 54
Teaching Assistant 54
TECK 57
Terrapin 57
TSC 58
Tycom 58

PROFESSIONAL LEVEL

ADMINISTRATIVE SUPPORT

A.U. Software** 1
Applied Educational Systems* 2
B & B Software 4
Bertamax 5
Charles Clark 6
Computer Courseware Services 7
Conover 9
Cow Bay 10
Curriculum Associates** 10
Educational Activities 13
Educational Images 14
Educational Software & Marketing 14
Educational Technology 15
Electronic Courseware 15
Evans-Newton** 16
Exceptional Technology** 17
Ex-Ed** 17
Fireside 17
Follett Library 18
Hammett 19
Hartman** 21
HEI 22
Holcomb 22
Insight Unlimited** 22
Instant Software 23
K-12 Micromedia 24
Learning Tools** 27
Mafex 31
Mathware 31
Microcomputer Education Applications Network** ..34
Muse 39
Opportunities for Learning 39
Powell Systems* 40
Radio Shack 42
Random House 42
Reader's Digest 42
School and Home Courseware 43
Scott, Foresman 45
Screening and Tracking Corp** 47
Society for Visual Education 48

ADMINISTRATIVE SUPPORT, cont'd.

Software Research Corp 49
Southern MicroSystems** 49
Sysdata** 53
Talent Assessment 54
Tamarack 54
Teaching Assistant 54
Teaching Pathways** 54
TIES 58
Zweig Associates 60

AUTHORING LANGUAGES/LESSON WRITING PROGRAMS

American Educational Computer 1
Apple Computer 2
Avant-Garde 3
Charles Clark 6
Compu-Tations 7
Computer Advanced Ideas 7
Computer Skill Builders 8
George Earl 13
Educational Design 14
Educational Images 14
Eiconics 15
Electronic Courseware 15
Fireside 17
Follett Library 18
Fullmer** 18
Hammett 19
Hartley Courseware 19
Hartman 21
Holcomb 22
Instant Software 23
Laureate 26
Mafex 31
Microcomputers Corporation 34
Microphys 35
Micropi 36
Micro Power & Light 36
Muse 39
Opportunities for Learning 39
Radio Shack 42
Scholastic 42
School Specialty Supply 45
SFA 47
Society for Visual Education 48
Sterling Swift* 52
Talent Assessment 54
Tamarack 54
Teaching Tools** 55
Teach Yourself By Computer* 56
TECK* 57
T.H.E.S.I.S. 57
TIES* 58
Unique Programming* 58
Winners Circle* 62
Zweig Associates* 62

GUIDANCE COUNSELORS

B & B Software 4
Bertamax 5
Learning Tools** 27
TSC 58

IEP MANAGEMENT

A.U. Software** 1
Curriculum Associates** 10
Evans-Newton** 16
Hartman 21
Insight Unlimited** 22
Learning Tools** 27
Screening and Tracking Corp** 47
Southern MicroSystems** 49
Sysdata** 53
Teaching Pathways 54
Zweig Associates* 62

LIBRARY APPLICATIONS

Bergwall 5
Bertamax 5
Charles Clark 6
Computer Skill Builders 8
Duxbury* 13
Educational Images 14
Educational Technology 15
Encyclopaedia Britannica 16
Follett Library 18
Hammett 19
Hartman 21
Holcomb 22
Instant Software 23
K-12 Micromedia 24
Learnco 26
Learning Company 27
Mafex 31
Micro Learningware 35
Microphys 35
Modtec 38
Nasco 39
Opportunities for Learning 39
Powell Systems* 40
School and Home Courseware* 43
Sliwa Enterprises 48
Society for Visual Education 48
Vocational Biographies 61
Winch** 62

TEACHER TRAINING

Apple Computer 2
Bergwall 5
Charles Clark 6
Compu-Tations 7
Computer Advanced Ideas 7
Computer Skill Builders 8
Conover 9
Cybertronics 11
George Earl 13
Educational Activities 13
Educational Courseware 13
Educational Images 14
Eiconics 15
Electronic Courseware 15
Fisher Scientific 18
Follett Library 18
Hammett 19
Hartley Courseware 19
Hartman* 21
Holcomb 22
Insight Unlimited** 22
J & S Software 24
Jamestown Publishers* 24

TEACHER TRAINING, cont'd.

Kidstuff 24
Learning Tools** 27
Lightning Software 29
Love Publishing** 29
Mafex 31
Math and Computer Education Project 31
Mathware 31
McGraw-Hill 33
Media Materials 33
Microcomputer Workshop 34
Microcomputers Corporation 34
Micropi 36
Micro Power & Light 36
Nasco 39
Opportunities for Learning 39
Powell Systems* 40
Prentice-Hall Media 41
Quality Educational Designs 41
Random House 42
Scholastic 42
School and Home Courseware* 43
Screening and Tracking Corp** 47
SFA 47
Society for Visual Education 48
SouthWest EdPsych 50
Sterling Swift* 52
Sunburst 53
Sysdata* 53
Teaching Pathways** 54
Teach Yourself By Computer* 56
TECK 57

TESTING AND EVALUATION PROGRAMS

A.U. Software 1
American Guidance Service 1
Applied Educational Systems* 2
Avant-Garde 3
Bergwall 5
Charles Clark 6
Compu-Tations 7
Computer Skill Builders 8
Conover 9
Consulting Psychologists Press 9
Continental Press 10
George Earl 13
Educational Activities 13
Educational Courseware 13
Educational Images 14
Educational Software & Marketing 14
Electronic Courseware 15
Exceptional Technology** 17
Follett Library 18
Hammett 19
Harcourt, Brace, Jovanovich 19
Hartman** 21
HEI 22
Holcomb 22
Insight Unlimited** 22
J & S Software 24
Krell 26
Mafex 31
MCE** 32
Microcomputer Workshops 34
Microcomputers Corporation 34
Micromatics** 35
Microphys 35
Modern Education Corporation* 38
Nasco 39
Opportunities for Learning 39

TESTING AND EVALUATION PROGRAMS, cont'd.

Powell Systems* 40
Psychological Corporation* 40
Publishers Test Service* 41
Random House 42
School Specialty Supply 45
Screening and Tracking Corp** 47
Singer** 48
Sliwa Enterprises 48
Southern MicroSystems** 49
Sunburst 53
Sysdata** 53
Talent Assessment 54
Teaching Pathways** 54
Teach Yourself By Computer* 56
TSC 58
Upper Room* 59
Vocational Biographies 61
Western Psychological Services* 61
Winch** 62
Zweig Associates 60

INSTRUCTIONAL APPROACH

COMPUTER MANAGED INSTRUCTION

American Learning 1
Amidon 1
Apple Computer* 2
Aquarius* 2
Behavioral Engineering* 4
Bertamax 5
Borg-Warner 5
Charles Clark 6
Compu-Tations* 7
Computer Courseware Services 7
Computer Skill Builders* 8
Conover 9
Cow Bay 10
Cuisenaire 10
Cybertronics 11
Educational Activities 13
Educational Courseware* 13
Educational Design* 14
Educational Images 14
Educational Teaching Aids* 14
Educational Technology 15
Eiconics 15
Electronic Courseware 15
Evans-Newton** 16
Exceptional Technology** 17
Fireside 17
Follett Library 18
Hammett 19
Harcourt, Brace, Jovanovich 19
Hartley Courseware 19
Hartman** 21
HEI 22
Holcomb 22
Instant Software 23
Krell 26
Learnco 26
Learning Company 27
Learning Tools** 27
Learning Tree Software* 27
Love Publishing** 29
Mafex 31
Mathware* 31
Micromatics** 35

COMPUTER MANAGED INSTRUCTION, cont'd.

Micro Power & Light 36
Milliken 36
Milton Bradley* 36
Muse 39
Nasco 39
Opportunities for Learning 39
Random House 42
Scholastic 42
Scott, Foresman 45
SFA 47
Society for Visual Education 48
Software Research Corp** 49
Spinnaker* 51
Sterling Swift* 52
Sysdata** 53
Teaching Assistant 54
Teaching Pathways** 54
Teach Yourself By Computer* 56
TECK 57
TIES 58
TSC 58
Unique Programming* 58
Winch 62
Zweig Associates* 62

DRILL AND PRACTICE

American Educational Computer 1
American Guidance Service 1
American Learning 1
Amidon 1
Apple Computer* 2
Aquarius* 2
ASK Enterprises 3
Avant-Garde 3
Basics and Beyond 4
Behavioral Engineering* 4
Bertamax 5
Borg-Warner 5
Centurion* 6
Charles Clark 6
Compu-Tations* 7
Computer Advanced Ideas 7
Computer Courseware Services** 7
Computer Skill Builders* 8
Concept Educational Software* 9
Conduit 9
Conover 9
Continental Press 10
Cow Bay 10
Curriculum Applications 10
Cybernetic Information Systems* 10
Cybertronics 11
Data Command* 11
Developmental Learning Materials* 12
George Earl 13
Educational Activities 13
Educational Courseware 13
Educational Images 14
Educational Teaching Aids* 14
Educational Technology 15
Eiconics 15
Electronic Courseware* 15
EME 16
Encyclopaedia Britannica 16
Fireside 17
Fisher Scientific 18
Follett Library 18
Fullmer** 18
Gamco 18

DRILL AND PRACTICE, cont'd.

Hammett 19
Harcourt, Brace, Jovanovich 19
Hartley Courseware** 19
Hartman 21
Holcomb 22
Ideatech 22
Instant Software 23
Instructional/Communications* 23
Island 23
J & S Software 24
Jamestown Publishers 24
Krell 26
Lightning Software 29
Love Publishing** 29
Mafex 31
Mathware* 31
McGraw-Hill 33
Media Materials 33
Microcomputer Software 34
Microcomputer Workshops 34
Microcomputers Corporation 34
Microcomputers In Education 34
Micro-Ed 35
Micro Learningware 35
Micromatics** 35
Microphys* 35
Micropi 36
Micro Power & Light 36
Milliken 36
Milton Bradley* 36
Modtec 38
Muse 39
Nasco 39
Nystrom 39
Opportunities for Learning 39
Prentice-Hall Media* 41
Program Design 41
Psychological Corporation* 40
Quality Educational Designs 41
Radio Shack 42
Random House 42
Reader's Digest 42
Reading Laboratory 42
Reston 42
Scholastic 42
School and Home CourseWare* 43
School Specialty Supply 45
Scott, Foresman** 45
SFA 47
SLED** 48
Sliwa Enterprises 48
Society for Visual Education 48
SouthWest EdPsych** 50
Spinnaker* 51
Sterling Swift* 52
Sublogic 52
Sunburst 53
T.H.E.S.I.S. 57
Teacher's Pet 54
Teaching Tools** 55
Teach Yourself By Computer* 56
TECK 57
TIES 58
TSC 58
Tycom 58
Unique Programming* 58
Upper Room** 59
Vocational Biographies 61
Winners Circle* 62
Zweig Associates 62
3R Software* 63

GAMES

Activity Resources 1
American Guidance Service 1
Apple Computer 2
Avant-Garde 3
Basics and Beyond 4
Behavioral Engineering* 4
Bertamax 5
Charles Clark 6
Compu-Tations* 7
Computer Advanced Ideas 7
Computer Skill Builders* 8
Conover 9
Cuisenaire 10
Curriculum Applications 10
Cybernetic Information Systems* 10
Data Command* 11
Developmental Learning Materials* 12
Educational Activities 13
Educational Images 14
Educational Teaching Aids* 14
Edu-Ware 15
Electronic Courseware* 15
EME 16
Encyclopaedia Britannica 16
Follett Library 18
Fullmer** 18
Gamco 18
Harcourt, Brace, Jovanovich 19
Hartley Courseware 19
Hartman 21
Holcomb 22
Instant Software 23
Island* 23
K-12 Micromedia 24
Kidstuff 24
Learnco 26
Learning Company 27
Learning Tree Software* 27
Learning Well* 28
Lightning Software 29
Mafex 31
Math and Computer Education Project 31
McGraw-Hill 33
Microcomputers Corporation 34
Microcomputers In Education 34
Micro-Ed 35
Microphys 35
Micro Power & Light 36
Milliken 36
Milton Bradley* 36
Modtec 38
Muse 39
Nasco 39
Opportunities for Learning 39
Phoenix 39
Prentice-Hall 41
Program Design 41
Quality Educational Designs 41
Random House 42
Reader's Digest 42
Reston 42
School and Home CourseWare* 43
School Specialty Supply 45
Scott, Foresman 45
SFA 47
Society for Visual Education 48
Software Research Corp** 49
SouthWest EdPsych* 50
Spinnaker* 51
Sterling Swift* 52
Sunburst 53
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Teach Yourself By Computer*....56
TECK....57
T.H.E.S.I.S....57
Tycom....58
Winch....62
Winners Circle*....62

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American Guidance Service....1
Apple Computer....2
Basics and Beyond....4
Charles Clark....6
Computer Courseware Services....7
Conduit....9
Conover....9
Cuisenaire....10
Cybernetic Information Systems*....10
Cybertronics....11
Educational Activities....13
Educational Courseware....13
Educational Images....14
Educational Technology....15
Edu-Ware....15
Electronic Courseware....15
EME....16
Encyclopaedia Britannica....16
Follett Library....18
Gamco....18
Hammett....19
Hartman....21
Holcomb....22
Instant Software....23
K-12 Micromedia....24
Kidstuff....24
Krell....26
Learnco....26
Learning Company....27
Mafex....31
Math and Computer Education Project....31
MCE**....32
McGraw-Hill....33
Microcomputers In Education....34
Micro-Ed....35
Micro Learningware....35
Micropi....36
Micro Power & Light....36
Muse....39
Nasco....39
Nystrom....39
Opportunities for Learning....39
Prentice-Hall....41
Reston....42
Scholastic....42
School and Home CourseWare*....43
Scott, Foresman....45
SFA....47
Singer**....48
Society for Visual Education....48
Software Research Corp*....49
SouthWest EdPsych....50
Sterling Swift....52
Sunburst....53
TECK....57
TIES....58
Winch....62

TUTORIAL (BRANCHING)

Activity Resources....1
American Learning....1
Amidon....1
Apple Computer....2
Aquarius*....2
ASK Enterprises....3
Avant-Garde....3
Basics and Beyond....4
Bergwall....5
Bertamax....5
Borg-Warner....5
Charles Clark....6
Computer Courseware Services....7
Computer Skill Builders*....8
Concept Educational Software....9
Conduit....9
Conover....9
Consulting Psychologists Press....9
Continental Press....10
Cow Bay....10
Cuisenaire....10
Curriculum Applications....10
Data Command*....11
Dorsett....12
George Earl....13
Edu-Ware....15
Educational Activities....13
Educational Courseware*....13
Educational Design....14
Educational Images....14
Educational Software & Marketing....14
Educational Technology....15
Electronic Courseware....15
EME....16
Encyclopaedia Britannica....16
Fireside....17
Fisher Scientific....18
Follett Library....18
Gamco....18
Hammett....19
Hartley Courseware*....19
Hartman....21
Holcomb....22
Ideatech....22
Instant Software....23
J & S Software....24
Jamestown Publishers....24
K-12 Micromedia....24
Krell....26
Laureate....26
Learning Company....27
Learning Tree Software*....27
Love Publishing**....29
Mafex....31
Mathware*....31
MCE**....32
Microcomputer Workshops....34
Microcomputers Corporation....34
Microcomputers In Education....34
Micro-Ed....35
Micro Learningware....35
Micromatics**....35
Microphys*....35
Micropi....36
Micro Power & Light....36
Milliken....36
Milton Bradley*....36
Modern Education Corporation*....38
Nasco....39
Nystrom....39
Opportunities for Learning....39
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TUTORIAL (BRANCHING), cont'd.

Program Design 41
Quality Educational Designs 41
Radio Shack 42
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Reader's Digest 42
Reading Laboratory 42
Reston 42
Scholastic 42
School and Home CourseWare* 43
School Specialty Supply 45
Scott, Foresman 45
SFA 47
SLED** 48
Society for Visual Education 48
Sterling Swift* 52
Sunburst 53
Teaching Assistant 54
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Unique Programming* 58
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Vocational Biographies 61
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CURRICULUM

ARTS

Avant-Garde 3
Charles Clark 6
Computer Skill Builders* 8
Conduit 9
George Earl 13
Educational Technology 15
Electronic Courseware* 15
Fisher Scientific 18
Follett Library 18
Gamco 18
Hammett 19
Hartman 21
Instant Software 23
K-12 Micromedia 24
Kidstuff 24
Learning Company 27
Microcomputers Corporation 34
Microcomputers in Education 34
Opportunities for Learning 39
Prentice-Hall 41
Reston 42
Scholastic 42
Software Research Corp* 49
Sterling Swift 52
Sunburst 53
Unique Programming* 58
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MUSIC

Avant-Garde 3
Charles Clark 6
Computer Skill Builders 8
Conduit 9
Educational Technology 15

MUSIC, cont'd.

Electronic Courseware* 15
Fisher Scientific 18
Gamco 18
Hartman 21
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K-12 Micromedia 24
Kidstuff 24
Microcomputers Corporation 34
Microcomputers in Education 34
Opportunities for Learning 39
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Sunburst 53
Winch 62

POETRY

420 Avant-Garde 3
420 George Earl 14
420 Hartman 21
420 K-12 Micromedia 24
420 Opportunities for Learning 39
420 Scholastic 42

VISUAL ARTS

Charles Clark 6
George Earl 13
Hammett 19
Hartman 21
K-12 Micromedia 24
Kidstuff 24
Learning Company 27
Opportunities for Learning 39
Prentice-Hall 41
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COMPUTER EDUCATION/LITERACY

Apple Computer 2
Avant-Garde 3
Basics and Beyond 4
Charles Clark 6
Computer Skill Builders 8
Continental Press 10
Cow Bay 10
Cybernetic Information Systems* 10
Cybertronics 11
George Earl 13
Educational Activities 13
Educational Courseware* 13
Educational Images 14
Educational Teaching Aids 14
Educational Technology 15
EME 16
Encyclopaedia Britannica 16
Fisher Scientific 18
Follett Library 18
Hammett 19
Hartman 21
Holcomb 22
K-12 Micromedia 24

COMPUTER EDUCATION/LITERACY, cont'd.

Kidstuff* 24
Krell 26
Mafex 31
Math and Computer Education Project 31
McGraw-Hill 33
Media Materials....33
Microcomputers Corporation....34
Micro Power & Light 36
Micropi 36
Modtec 38
Muse 39
Opportunities for Learning 39
Program Design....41
Radio Shack 42
Reston....42
Scholastic....42
School Specialty Supply 45
Scott, Foresman 45
Sliwa Enterprises....48
Society for Visual Education 48
Software Research Corp 49
SouthWest EdPsych....50
Spinnaker 51
Sterling Swift....52
Sunburst 53
Tamarack 54
TECK* 57
Terrapin 57
TIES....58

BASIC

Apple Computer 2
Computer Skill Builders 8
Continental Press 10
Cow Bay 10
Cybernetic Information Systems*....10
George Earl 13
Educational Courseware*....13
Educational Images....14
Educational Teaching Aids....14
Educational Technology 15
Fisher Scientific 18
Hammett 19
Hartman 21
Holcomb 22
Mafex 31
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Opportunities for Learning 39
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Radio Shack 42
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Scholastic....42
School Specialty Supply 45
Scott, Foresman 45
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FORTH

Hartman 21

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Cybernetic Information Systems*....10
Cybertronics 11
Fisher Scientific 18
Hammett 19
K-12 Micromedia....24
Krell 26
Microcomputers Corporation....34
Radio Shack 42
Scholastic....42
Terrapin* 57

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Apple Computer 2
Cybertronics 11
Micropi 36

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Apple Computer 2
Avant-Garde 3
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EME....16
Fisher Scientific 18
Hartman 21
Kidstuff 24
Micro Power & Light 36
Modtec 38
Opportunities for Learning 39
Sliwa Enterprises....48
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SouthWest EdPsych....50
Spinnaker 51
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PILOT

Apple Computer 2
Computer Skill Builders 8
Educational Technology 15
Fisher Scientific 18
Hartman 21
K-12 Micromedia....24
Micropi 36
Opportunities for Learning 39
Radio Shack 42
Scholastic....42
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SYSTEMS UTILITIES

Apple Computer 2
Avant-Garde 3
Computer Skill Builders 8
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Fisher Scientific 18
Hammett 19
Hartman 21
Microcomputers Corporation....34
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Opportunities for Learning 39
Reston....42
Sunburst 53
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READINESS

American Educational Computer 1
American Guidance Service.....1
Amidon 2
Apple Computer 2
Aquarius 2
Bertamax 5
Centurion* 6
Charles Clark.....6
Compu-Tations* 7
Computer Courseware Services** 7
Computer Skill Builders 8
Conover 9
Cuisenaire 10
Dorsett 12
George Earl 13
Educational Teaching Aids.....14
Educational Technology 15
Edu-Ware 15
Encyclopaedia Britannica**.....16
Fisher Scientific 18
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Hammett 19
Hartley Courseware 19
Hartman 21
Instructional/Communications* 23
Island.....23
K-12 Micromedia.....24
Kidstuff 24
Learning Company 27
Learning Tree Software* 27
Mafex 31
Microcomputer Workshops 34
Microcomputers Corporation.....34
Microcomputers in Education 34
Micro-Ed.....35
Micro Power & Light 36
Microphys.....35
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Program Design.....41
Random House 42
Reader's Digest 42
Scholastic.....43
School and Home CourseWare 43
School Specialty Supply 45
Scott, Foresman** 45
SFA 47
Society for Visual Education 48
SouthWest EdPsych**.....50
Spinnaker* 51
Sunburst 53
Teaching Tools**.....55
TECK 57
T.H.E.S.I.S.....57
Upper Room**.....59
Winch 62
Zweig Associates*.....62

ALPHABETS

American Educational Computer 1
Amidon 2
Aquarius 2
Bertamax 5
Charles Clark.....6
Compu-Tations* 7
Computer Courseware Services** 7
Conover 9
Dorsett 12
George Earl 13

ALPHABETS, cont'd.

Edu-Ware 15
Educational Teaching Aids.....14
Educational Technology 15
Fisher Scientific 18
Hammett 19
Hartley Courseware 19
Hartman 21
K-12 Micromedia.....24
Mafex 31
Microcomputer Workshops 34
Microcomputers Corporation.....34
Micro-Ed.....35
Milliken.....36
Opportunities for Learning 39
Random House 42
Scholastic.....43
School and Home CourseWare 43
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SouthWest EdPsych* 50
Spinnaker* 51
Sunburst 53
Teaching Tools**.....55
TECK 57
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Upper Room**.....59
Winch 62

AUDITORY SKILLS

American Educational Computer 1
Amidon 2
Charles Clark.....6
Dorsett 12
Hartley Courseware 19
Hartman 21
K-12 Micromedia.....24
Learning Tree Software* 27
Microcomputers Corporation.....34
Opportunities for Learning 39
Zweig Associates*.....62

NUMBERS

American Guidance Service.....1
Amidon 2
Aquarius 2
Bertamax 5
Centurion* 6
Charles Clark.....6
Compu-Tations* 7
Computer Courseware Services** 7
Computer Skill Builders 8
Conover 9
Cuisenaire 10
Dorsett 12
George Earl 13
Educational Technology 15
Edu-Ware 15
Fisher Scientific 18
Hammett 19
Hartley Courseware 19
Hartman 21
K-12 Micromedia.....24
Kidstuff 24
Learning Company 27
Learning Tree Software* 27
Mafex 31
Microcomputer Workshops 34

NUMBERS, cont'd.

Microcomputers Corporation....34
Microphys....35
Micro Power & Light....36
Milliken....36
Opportunities for Learning....39
Program Readiness....41
Random House....42
Scholastic....43
School and Home CourseWare....43
School Specialty Supply....45
Society for Visual Education....48
SouthWest EdPsych**....50
Spinnaker*....51
Sunburst....53
Teaching Tools**....55
TECK....57
T.H.E.S.I.S....57
Upper Room**....59
Winch....62
Zweig Associates*....62

VISUAL SKILLS

American Educational Computer....1
American Guidance Service....1
Amidon....2
Centurion*....6
Charles Clark....6
Compu-Tations*....7
Computer Courseware Services**....7
Conover....9
Dorsett....12
George Earl....13
Edu-Ware....15
Fisher Scientific....18
Instructional/Communications*....23
Island....23
Hartman....21
K-12 Micromedia....24
Kidstuff....24
Learning Company....27
Learning Tree Software*....27
Mafex....31
Microcomputers Corporation....34
Micro Power & Light....36
Opportunities for Learning....39
Program Design....41
Random House....42
School and Home CourseWare....43
Scott, Foresman**....45
SFA....47
Society for Visual Education....48
SouthWest EdPsych*....50
Spinnaker*....51
T.H.E.S.I.S....57
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Avant-Garde 3
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Bertamax 5
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Brainbank 6
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Charles Clark 6
Compu-Tations 7
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Computer Courseware Services** 7
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